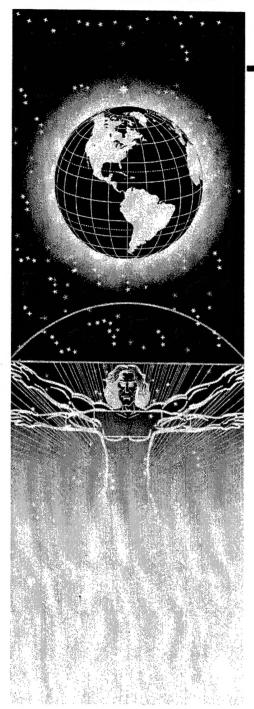
AFRL-HE-WP-TR-2003-0015



UNITED STATES AIR FORCE RESEARCH LABORATORY

TRANSMISSIVITY AND NIGHT VISION GOGGLE COMPATIBILITY DATA FOR SELECT AIRCRAFT TRANSPARENCIES

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Human Effectiveness Directorate Crew System Interface Division 2255 H Street Wright-Patterson AFB OH 45433-7022

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AFRL-HE-WP-TR-2003-0015

This report has been reviewed by the Office of Public Affairs (PA) and is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public.

This technical report has been reviewed and is approved for publication.

FOR THE COMMANDER

BRIAN P. DONNELLY, Lt Col, USAF

Deputy Chief, Crew System Interface Division

Air Force Research Laboratory

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This document is a compilation of spectral transmissivity data measured from numerous aircraft transparencies. The spectral transmissivity of each part was measured from wavelengths of 450 nm through 950 nm. Some parts were also measured at several different angles relative to the optical axis of the spectroradiometric instrument. The measurements yielded both visible light and near infrared (NIR) spectra. The NIR data were used to calculate night vision goggle-weighted transmissivity (TNVG) values (Pinkus and Task, 1997). TNVG is a measure of a transparency's compatibility when it is used in conjunction with night vision goggles (NVGs). NVGs utilize the NIR portion (600 nm through 950 nm) of the night sky ambient illumination. Generally speaking, the higher the TNVG coefficient, the higher the NVG visual performance (Pinkus & Task, 1998a; Pinkus & Task, 1997).				
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INTRODUCTION

The Visual Image Evaluation of Windscreens (VIEW) facility at Wright-Patterson AFB, Ohio, has been evaluating the optical characteristics of aircraft transparencies (Merkel & Task 1989; Muick, 1978) for over twenty-five years. During this time period, numerous types of aircraft transparencies from different sources have been measured for a multitude of optical characteristics. Some of these optical characteristics include angular deviation, multiple imaging, distortion, haze, and transmissivity. Though continuous in nature, transmissivity characteristics can be divided into two spectral ranges: visible and near infrared (NIR). Unaided human vision is sensitive to light from about 400 nm (blue) to 700 nm (red) with peak sensitivity occurring at about 555 nm (green). In comparison to human vision, the night vision goggles (NVGs) that are used in aircraft cockpits are sensitive to and amplify light in the red and NIR region of the spectrum from about 600 nm to 950 nm. This data compilation provides detailed information on the visible and NIR transmissivity characteristics of transparent plastics. These data allow human factors engineers and vision scientists to assess the relative visual impact that different types of transparencies may have on both unaided and NVG-supplemented aircrew out-of-the-cockpit visual performance. The NIR data also can be used to resolve NVG/transparency integration issues.

The American Society for Testing and Materials (ASTM) has published several standardized test methods (ASTM D 1003-97; ASTM F 1316-90) for measuring the transmissivity of transparent parts in the visible region. ASTM D 1003-97 is utilized when measuring thin, flat parts perpendicular to the optical axis whereas ASTM F 1316-90 is applied when measuring large, curved or installed parts. These standard test methods include precision statements for reproducibility (between-laboratory variability) and repeatability (within-laboratory variability) (ASTM E 691-99).

Transparencies can have high transmissivity in the visible region but attenuate NIR. The result is a transparency exhibiting good out-of-the-cockpit visibility for the unaided eye but marginal or poor NVG-aided visual performance. Thus, an analytical method was devised to measure a transparency's NVG-weighted transmissivity or T_{NVG} (Pinkus and Task, 1997). T_{NVG} is an indicator of a given transparency's compatibility with NVGs. ASTM has also published a standardized test method (ASTM F 1863-98) for the determination of T_{NVG} of a transparent part. This standard test method also includes reproducibility and repeatability precision statements (ASTM E 691-99).

DOCUMENT STRUCTURE

This document is sub-divided into different sections containing transmissivity data for: USAF bombers, cargo aircraft, fighters, trainers, some Navy aircraft, prototype transparencies,

plastic coupons and samples. Each sub-section contains an aircraft transparency profile, a transmissivity graph and its associated tabular data. Some parts were measured at both normal and installed (design eye) angles. Also included in this reference is a reprint of a paper by Pinkus and Task (1997), which provides the theoretical basis of the T_{NVG} calculation that is used throughout this reference.

Aircraft Transparency Profile

The aircraft transparency profile page contains the following information: aircraft type, part name, date of manufacture, serial number, material type, construction and coating. Some profiles are incomplete because the information was not available at the time of the measurement.

Transmissivity Graph

This graphic shows the transmissivity coefficient plotted as a function of wavelength from 450 nm to 950 nm as measured using an EG&G Gamma Scientific Radoma Model GS-1252-01 spectroradiometer. The graph is labeled with information including aircraft type, material, serial number, measurement geometry (normal means perpendicular to the surface of the transparency) and the T_{NVG} coefficient. For visible light, the transmissivity of a transparency is often expressed as a simple percentage (Fischer and Tadic-Galeb, 2000). The graph plots the transmission coefficient (or simply transmissivity) as a function of wavelength, where a transmission coefficient of 1.0 equals 100% transmission.

Tabular Data

This section contains the tabular data used to plot the transmissivity graph and calculate the T_{NVG} coefficient (Pinkus and Task, 1997 & 1998b). The tabular data are included to facilitate additional analyses by the reader.

AIR FORCE AIRCRAFT

BOMBERS

B1-B

Aircraft: B1-B (Right Side)

Part Name: Windscreen, SIERRACIN

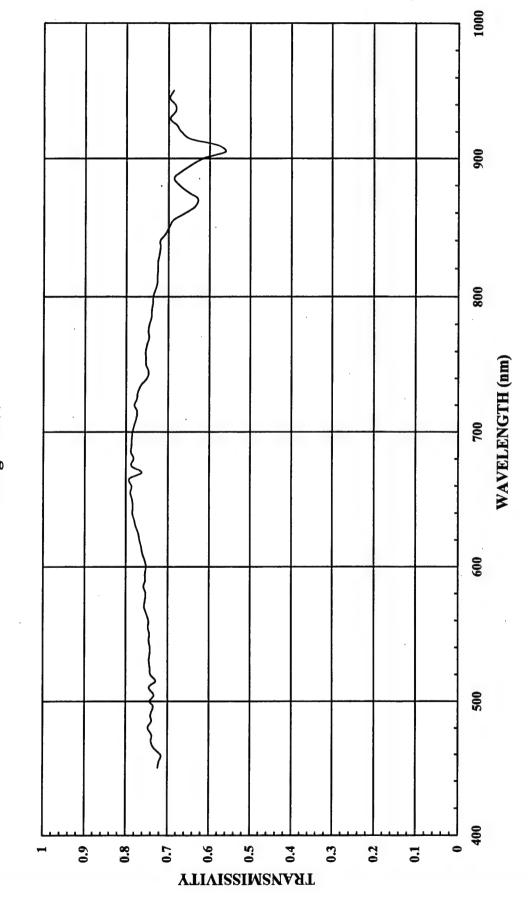
Manufactured: 9/28/84

S/N# 0016

Material Type: Polycarbonate and silicone

Construction: Tempered glass and layered

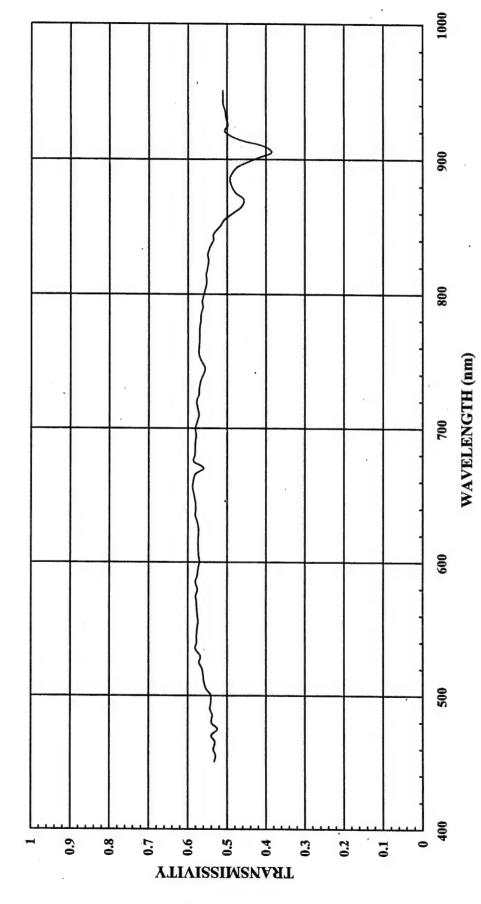
B1-B (SIERRACIN, RIGHT SIDE, S/N# 0016, TEMPERED GLASS, LAYERED POLYCARBONATE AND SILICONE, MFG. 9/28/94) @ NORMAL Tnvg = 75%



LAYERED POLYCARB	& SILICONE @ NORMAI	ERED GLASS,	
	THE PROPERTY OF THE PARTY OF TH		
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	
WAVELENGTH(nm)	READING	"NVIS A"	SPECTRAL
45			RESPONSE
45			7.23256E-0
46			
46			
47		h-	
47			
48			0.00011000
48		0.000173	
49			
49			
50			
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51	0.7446808		
51:	0.729064		
52	0.7408257	0.000375	
52			
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53			0.00037686
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610			
61:	0.7640288		
620		0.175	
628		0.43288	
630		0.0100	0.47705579
638		0.67756	0.52898891
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705			
710	0.776544		
715	0.7742146		
720	0.7808306		
725	0.774398		
730			

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./4.		UM/NVG)	0.745246073 (SPECT	RAL
	SUM		36.29238147	
	330	0.007 0203		
	950	0.6873239	0	
	940 945	0.683417	0	
	935	0.6825776 0.683417	0	
	930	0.6963471	0.0069	0.00480479
	925	0.6803455	0.015525	0.01056236
	920	0.6701245	0.0276	0.01849543
	915	0.6468254	0.043125	0.02789434
	910	0.5795454	0.0621	0.03598976
	905	0.5618182	0.11009	0.06185056
	900	0.6130742	0.175	0.10728798
	895	0.6468648	0.25704	0.16627012
	890	0.6703125	0.3448	0.2311237
•	885	0.6864785	0.42523	0.29191125
	880	0.6721311	0.5034	0.33835079
	875	0.6520051	0.58016	0.37826727
	870	0.6288533	0.6552	0.41202468
	865	0.6356132	0.72848	0.46303150
	860	0.6595982	0.8	0.5276785
	855	0.6873661	0.86334	0.59343064
	850	0.6974359	0.9103	0.634875
	845	0.7073643	0.9172	0.64879453
	840	0.7197751	0.9241	0.6651441
	835	0.7194245	0.93402	0.67195687
	830	0.7223183	0.9448	0.6824463
	825	0.7253401	0.95515	0.69280859
	820	0.7251462	0.9655	0.70012865
	815	0.7262984	0.97283	0.70656487
	810	0.7266245	0.9793	0.71158337
	805	0.7310126	0.9862	0.72092462
	800	0.7364341	0.9931	0.73135270
	795	0.7370371	0.9938	0.7324674
	790	0.7397454	0.9945	0.735676
	785	0.7402423	0.99543	0.73685939
	780	0.7477092	0.9966	0.7430122
	775	0.7477092	0.99814	0.74631846
	770	0.7458234	1	0.745823
	765	0.7505952	. 1	0.750595
	755 760	0.7539586	1	0.753958
		0.7531018	1	0.753101
	745 750	0.7472021 0.7530236		0.74510246 0.753023
	740	0.7513298	0.9931	0.74614562
	735	0.7643641	0.98838 0.9931	0.75548218

B1-B (RIGHT SIDE, SIERRACIN, S/N# 0016, TEMPERED GLASS, LAYERED POLYCARBONATE AND SILICONE, MFG. 9/28/84) @ DESIGN EYE Tnvg = 56%



	<u> 3 & SILICONE @ DESIGN I</u>		
	SPECTRA-	<u>RELATIVE</u>	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
	0.5325581	0.0001	5.32558E-0
	0.5292842		
	0.5349302	0.000123	
	0.5308411	0.0001375	7.29907E-0
	70 0.5404412		
	75 0.5248713		
	0.54		
	0.5377207		
	0.5435435		
	0.5414909		
	0.5414966		
	0.5532504		
	0.5584239		
	0.56125		
5.	0.5640138	0.000375	0.00021150
5.	25 0.5714285		
5	0.5681818	0.0004625	0.00026278
5	0.5811578	0.00050703	0.00029466
5-	0.577511		
	15 0.5779626	0.00058359	0.00033729
	0.5762376	0.000625	0.00036014
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66 66	0.5867419		
			0.52892982 0.51343260
67		0.9172	0.51343260
67 68			
68			
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69			
7(0.9448	
70			

725				COEFFICIENT)
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725	***************************************			
725		SUM:	27 00505720	
725	930	0.5112994	0	0
725				0
725		0.51		0
725				0
725	930		0.0069	0.003465825
725				0.00772875
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725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 755 0.5720552 1 0.572 760 0.5716034 1 0.571 765 0.5703971 1 0.570 770 0.569886 1 0.560 775 0.5701107 0.99814 0.56905 780 0.5671546 0.9966 0.56522 785 0.5664194 0.99543 0.56383 790 0.5617898 0.9945 0.55869 795 0.5634744 0.9938 0.55998 800 0.559062 0.9931 0.55514				0.54701437
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 755 0.5720552 1 0.571 760 0.5716034 1 0.571 765 0.5703971 1 0.570 770 0.569886 1 0.56 775 0.5701107 0.99814 0.56905 780 0.5671546 0.9966 0.56522 785 0.5664194 0.99543 0.56383 790 0.5617898 0.9945 0.55869 795 0.5634744 0.9938 0.55998				0.555149057
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 755 0.5720552 1 0.572 760 0.5716034 1 0.571 765 0.5703971 1 0.570 770 0.569886 1 0.56 775 0.5701107 0.99814 0.56905 780 0.5671546 0.9966 0.56522 785 0.5664194 0.99543 0.56383 790 0.5617898 0.9945 0.55869				0.559980859
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 755 0.5720552 1 0.572 760 0.5716034 1 0.571 765 0.5703971 1 0.570 770 0.569886 1 0.56 775 0.5701107 0.99814 0.56905 780 0.5671546 0.9966 0.56522 785 0.5664194 0.99543 0.56383				5.5555555
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 755 0.5720552 1 0.572 760 0.5716034 1 0.571 765 0.5703971 1 0.570 770 0.569886 1 0.56 775 0.5701107 0.99814 0.56905 780 0.5671546 0.9966 0.56522				0.00000000
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 755 0.5720552 1 0.572 760 0.5716034 1 0.571 765 0.5703971 1 0.570 770 0.569886 1 0.56 775 0.570107 0.99814 0.56905				0.565226274
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 755 0.5720552 1 0.572 760 0.5716034 1 0.571 765 0.5703971 1 0.570 770 0.569886 1 0.56				0.569050294
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 755 0.5720552 1 0.572 760 0.5716034 1 0.571 765 0.5703971 1 0.570				0.569886
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 755 0.5720552 1 0.572 760 0.5716034 1 0.571				0.5703971
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 755 0.5720552 1 0.572				0.5716034
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480 750 0.5660498 1 0.566 750 0.5060498 1 0.566				0.5720552
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687 745 0.5563661 0.99719 0.55480				0.5660498
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093 740 0.5607476 0.9931 0.55687				0.55480271
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114 735 0.5675324 0.98838 0.56093				0.556878442
725 0.5720663 0.9802 0.56073 730 0.5709677 0.9828 0.56114				0.560937674
725 0.5720663 0.9802 0.56073				0.561147056
				0.560739387
720 0.5775194 0.9793 0.56556				0.565564748
715 0.5746667 0.97304 0.55917			0.97304	0.559173686
710 0.572028 0.9655 0.55229			0.9655	0.552293034

B-52

Aircraft: B-52

Part Name: Windscreen

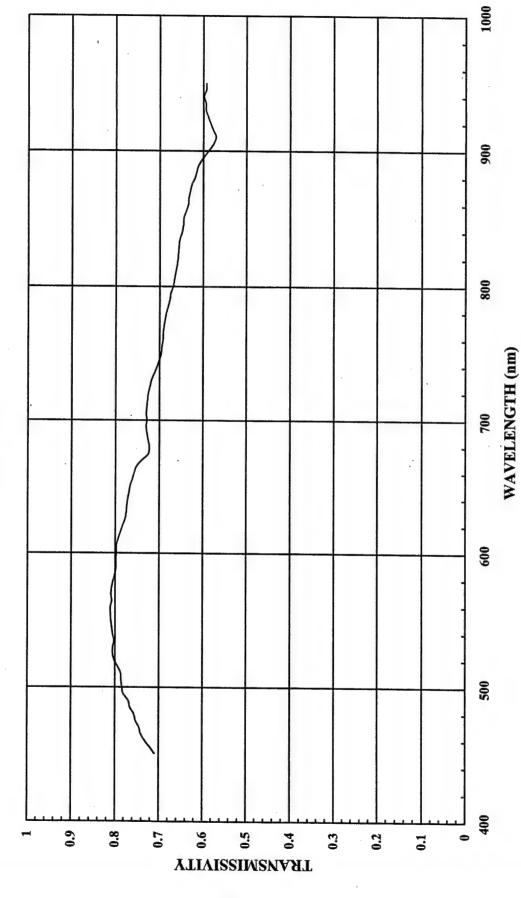
Manufactured: N/A

S/N# 5-52093-3

Material Type: N/A

Construction: N/A

B-52 WINDSCREEN (S/N#5-52093-3) @ NORMAL Thyg = 70%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
45	0.709452	0.0001	7.09E-05
45		0.0001125	8.10E-05
46		0.000123	8.99E-05
46			1.02E-04
470		0.00015	
47		0.00016172	1.22E-04
48		0.000175	1.32E-04
48		0.00019375	1.48E-04
49		0.0002125	1.63E-04
49	0.781153	0.00022266	1.74E-04
500	0.78369	0.0002375	1.86E-04
50	0.785714	0.00027656	. 2.17E-04
510	0.78702	0.0003125	2.46E-04
51:	0.793434	0.00034279	2.72E-04
520		0.000375	3.01E-04
52	0.805307	0.00041875	3.37E-04
530		0.0004625	3.73E-04
53		0.00050703	4.07E-04
54		0.00055	4.43E-04
54	0.807897	0.00058359	4.71E-04
550	0.810019	0.000625	. 5.06E-04
559	0.810629	0.0007	5.67E-04
. 560		0.000775	6.29E-04
56		0.00085	6.87E-04
570		0.000925	7.49E-04
. 578		0.0014525	1.17E-03
580		0.00198	1.59E-03
58		0.0047175	3.78E-03
590		0.0078	6.22E-03
598		0.0114	9.10E-03
600		0.015	1.20E-02
608		0.026263	2.10E-02
610		0.052	4.13E-02
618		0.088388	6.98E-02
620		0.175	
625		0.43288	3.37E-01
630		0.6138	4.76E-01
638		0.67756	5.24E-01
640		0.7448	
645		0.82458	6.35E-01
650		0.8897	6.82E-01
655		0.89654 0.9034	6.83E-01
660 665		0.9034	6.85E-01 6.85E-01
670		0.91051	6.78E-01
678		0.9172	6.69E-01
680		0.9276	6.71E-01
685		0.93254	6.77E-01
690		0.93234	6.83E-01
695		0.9448	6.90E-01
700	1	0.9517	6.94E-01

	,		COEFFICIENT)
		0.00000017	TRANSMISSION
	Tnvg(SUM/NVG):	0.696858917	(SPECTRAL
	SUM:	33.93599854	
950	0.592742	0	0.00E+00
945		0	0.00E+00
940		0	0.00E+00
935		0	0.00E+00
930	0.594079	0.0069	4.10E-03
925	0.588861	0.015525	9.14E-03
920	0.582645	0.0276	1.61E-02
915		0.043125	3.55E-02 2.49E-02
910		0.11009	6.36E-02 3.55E-02
905		0.175	1.03E-01
900		0.25704	1.54E-01
. 895		0.3448	2.11E-01
890		0.42523	2.62E-01
885		0.5034	3.12E-01
880		0.58016 0.5034	3.63E-01
875		0.6552	4.13E-01
870		0.72848	4.62E-01
860 865		0.8	5.08E-01
		0.86334	5.53E-01
850 855		0.9103	5.88E-01
. 845		0.9172	5.93E-01
840		0.9241	6.00E-01
835		0.93402	6.11E-01
830		0.9448	6.20E-01
825		0.95515	6.28E-01
820		0.9655	. 6.36E-01
815		0.97283	6.43E-01
810		0.9793	6.51E-01
805		0.9862	6.58E-01
800		0.9931	6.65E-01
795		0.9938	6.71E-01
790		0.9945	6.73E-01
785		0.99543	6.77E-01
780		0.9966	6.83E-01
775	0.687937	0.99814	6.87E-01
· 770	0.690443	1	6.90E-01
765		1	6.92E-01
760		1	6.93E-01
. 755	0.69504	1	6.95E-01
750		1	6.97E-01
745		0.99719	6.99E-01
740		0.9931	7.04E-01 7.01E-01
735		0.98838	7.06E-01 7.04E-01
730		0.9828	7.07E-01
725		0.9793 0.9802	7.11E-01
713		0.97304	7.08E-01
715		0.9655	7.04E-01
710		0.9586	7.00E-01
705	0.70000	0.000	

CARGO

C - 130

Aircraft: C - 130

Part Name: Windscreen

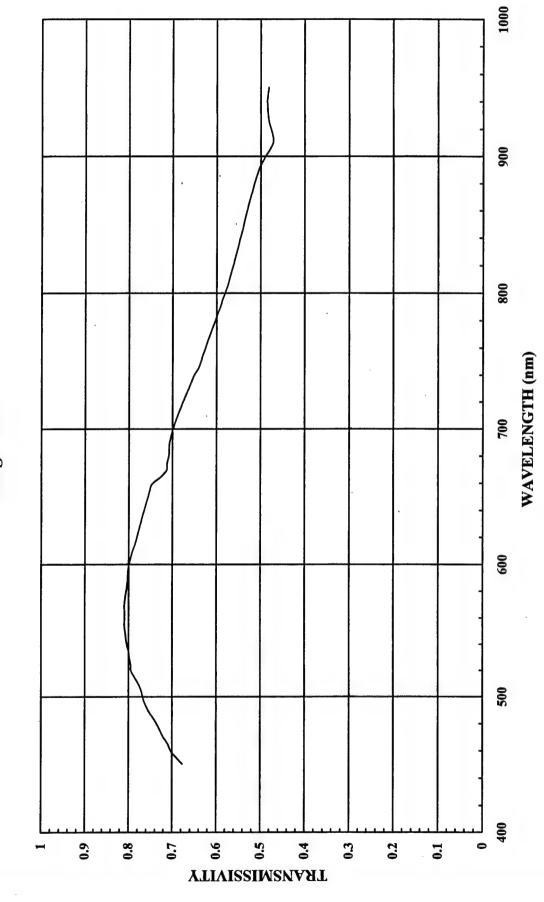
Manufactured: N/A

S/N# N/A

Material Type: N/A

Construction: N/A

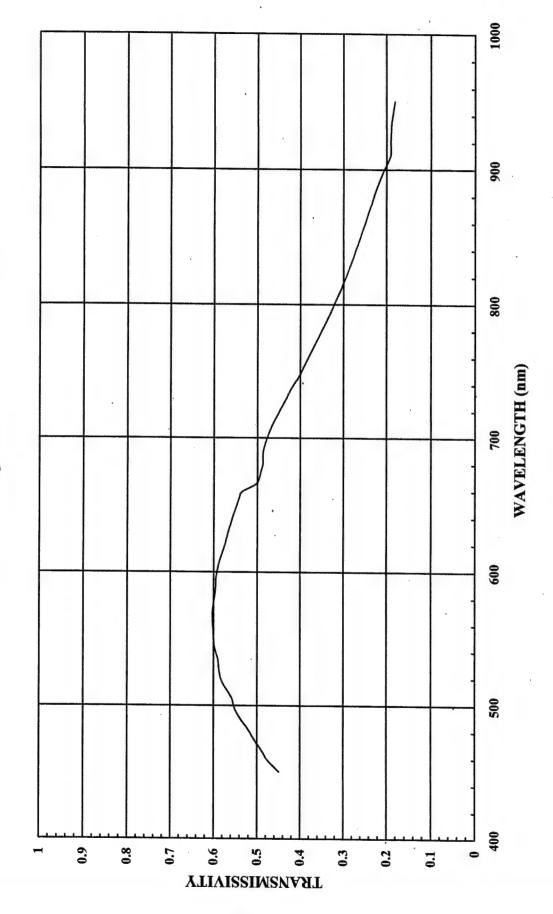
C-130 WINDSCREEN (NO SERIAL NUMBER) @ NORMAL Tnvg=63%



C-130, NO SERIAL	NUMBER @ NORI	MAL	
	CDECTDA		
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)		"NVIS A"	RESPONSE
450	0.677157	0.0001	6.77E-05
455	0.690126	0.0001125	7.76E-05
460	0.702507	0.000123	8.64E-05
465	0.71038	0.0001375	9.77E-05
470	0.720326	0.00015	1.08E-04
475	0.727684	0.00016172	1.18E-04
480	0.736552	0.000175	1.29E-04
485	0.745624	0.00019375	1.44E-04
490	0.755346	0.0002125	1.61E-04
495	0.763775	0.00022266	1.70E-04
. 500	0.768511	0.0002375	1.83E-04
505	0.771671	0.00027656	2.13E-04
510	0.777378	0.0003125	2.43E-04
515	0.786931	0.00034279	2.70E-04
520	0.795011	0.000375	2.98E-04
525	0.795734	0.00041875	3.33E-04
530	0.798839	0.0004625	3.69E-04
535	0.800346	0.00050703	4.06E-04
540	0.803927	0.00055	4.42E-04
545	0.806502	0.00058359	4.71E-04
550	-0.807985	0.000625	5.05E-04
555	0.809852	0.0007	5.67E-04
560	0.808861	0.000775	6.27E-04
565	0.809471	0.00085	6.88E-04
570	0.809713	0.000925	7.49E-04
575	0.807784	0.0014525	1.17E-03
580	0.805861	0.00198	1.60E-03
585	0.803758	0.0047175	3.79E-03
590	0.801976	0.0078	6.26E-03
595	0.801785	0.0114	9.14E-03
600	0.799821	0.015	1.20E-02
605	0.795439	0.026263	2.09E-02
610	0.791538	0.052	4.12E-02
615	0.786222	0.088388	6.95E-02
620	0.781335	0.175	1.37E-01
625	0.777843	0.43288	3.37E-01
630	0.774073	0.6138	
635	0.770057	0.67756	5.22E-01
640	0.765629	0.7448	5.70E-01
645	0.761727	0.82458	6.28E-01
650	0.756124	0.8897	6.73E-0
655	0.75202	0.89654	6.74E-0
660	0.746842	0.9934	6.75E-01
665	0.725026	0.9034	6.60E-01
670	0.712948	0.9172	6.54E-01
675	0.712433	0.9172	6.57E-0
680	0.708483	0.92241	6.57E-0
685	0.707574	0.9276	6.60E-01
690	0.706799	0.93254	6.63E-01

				COEFFICIENT)
				TRANSMISSION
		Tnvg(SUM/NVG)	0.63490698	(SPECTRAL
		SUM	30.91903082	(477)
	950		0.00E+00	0.00E+00
	945		0.00E+00	0.00E+00
	940		0.00E+00	0.00E+00
	935		0.00E+00	0.00E+00
	930		0.01323	3.33E-03
*	920		0.015525	7.47E-03
	915 920		0.043125	2.04E-02 1.31E-02
	910		0.0621	2.93E-02 2.04E-02
	905		0.11009 0.0621	5.29E-02
	900		0.175	8.57E-02
	895		0.25704	1.28E-01
	890		0.3448	1.74E-01
,	885		0.42523	2.17E-01
	880		0.5034	2.59E-01
	875		0.58016	3.01E-01
	870		0.6552	3.43E-01
	865		0.72848	3.84E-01
	860		0.8	4.24E-01
	855		0.86334	4.62E-01
	850		0.9103	4.90E-01
	845		0.9172	4.97E-01
	840		0.9241	5.05E-01
	835		0.93402	5.14E-01
	830		0.9448	5.23E-01
	825	0.558751	0.95515	5.34E-01
	820	0.562321	0.9655	5.43E-01
	815		0.97283	5.51E-01
	810		0.9793	5.59E-01
	805		0.9862	5.67E-01
	800		0.9931	5.77E-01
	795		0.9938	5.83E-01
	790		0.9945	5.88E-01
	785		0.99543	5.95E-01
	780		0.9966	6.01E-01
	775		0.99814	6.08E-01
*	770		1	6.15E-01
	765		1	6.21E-01
	760		1	6.26E-01
	755		<u> </u>	6.31E-01
*******	750		0.337 13	6.36E-01
	745		0.99719	
	740		0.9931	6.46E-01
	735		0.9820	6.51E-01
	725 730		0.9802 0.9828	6.57E-01 6.52E-01
	720		0.9793	
	715		0.97304	6.64E-01
	710		0.9655	
	705		0.9586	6.66E-01
	700		0.9517	6.65E-01
	695		0.9448	

C-130 WINDSCREEN (NO SERIAL NUMBER) @ DESIGN EYE Tnvg = 39%



	CDECTDA	RELATIVE	NVG
	SPECTRA-	SPECTRAL SENSITIVITY	SPECTRAL
	RADIOMETRIC		
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.449003	0.0001	4.49E-05
455	0.463473		5.21E-05
460	0.477643		5.88E-05
465	0.488101	0.0001375	6.71E-05
470	0.497527	0.00015	7.46E-05
475	0.507498		8.21E-05
480	0.517701	0.000175	9.06E-05
485	0.527587	0.00019375	1.02E-04
490	0.538155		1.14E-04
495	0.547986		1.22E-04
. 500	0.553941	0.0002375	1.32E-04
505	0.557132		1.54E-04
510	0.564608		1.76E-04
515	0.576295		1.98E-04
520	0.583292		2.19E-04
525	0.586619		2.46E-04
530	0.588805		2.72E-04
535	0.590316		2.99E-04
540	0.594813		
545	0.599212		3.50E-04
550	0.600217		3.75E-04
555	0.600636		4.20E-04
560	0.602145		4.67E-04
565	0.602374		
570	0.602796		10 mm
575	0.600854		
580	0.599078		
585	0.596729		
590	0.59517		
595	0.59506		
600	0.592773		
605	0.58901		
610	0.584872		
615	0.57985		
620	0.574348		
625	0.570496		
630	0.566772		
635	0.561515		
640	0.557414		
645	0.552921		
650	0.546659		
655	0.542045		
660	0.535422		
665	0.504046		
670	0.496004		
675	0.492249		
680	0.487704		
685	0.487542 0.486818		

700 0.477492 0.9517 4.54E-1 705 0.472399 0.9586 4.53E-1 710 0.464396 0.9685 4.48E-1 7115 0.457085 0.97304 4.45E-1 7120 0.449541 0.9733 4.40E-1 7125 0.440156 0.9802 4.31E-1 730 0.432198 0.9822 4.25E-1 733 0.432198 0.9822 4.25E-1 734 0.425443 0.98838 4.20E-1 745 0.40526 0.99719 4.04E-1 755 0.397453 1 3.97E-1 750 0.397453 1 3.97E-1 750 0.397453 1 3.97E-1 750 0.397453 1 3.97E-1 750 0.381844 1 3.82E-1 770 0.365625 1 3.36E-1 770 0.365625 1 3.36E-1 770 0.365625 1 3.36E-1 770 0.355625 1 3.36E-1 770 0.355627 0.99814 3.58E-1 780 0.351493 0.9986 3.50E-1 781 0.388712 0.98813 3.4E-1 785 0.342719 0.99543 3.4E-1 785 0.342719 0.99543 3.4E-1 785 0.342719 0.99543 3.4E-1 785 0.342719 0.99543 3.4E-1 780 0.351493 0.9986 3.30E-1 785 0.342719 0.99543 3.4E-1 786 0.351493 0.9966 3.50E-1 780 0.352917 0.9938 3.2T-1 780 0.35				COEFFICIENT)
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700 0.477492 0.9517 4.54E-0 705 0.472339 0.9586 4.53E-0 710 0.464396 0.9655 4.48E-0				4.45E-01
700 0.477492 0.9517 4.54E-0 705 0.472339 0.9586 4.53E-0				4.48E-01
700 0.477492 0.9517 4.54E-0				
				4.54E-01
695 0.482585 0.9448 4.555	695		0.9448	4.56E-01

FIGHTERS/FIGHTER BOMBERS

F-15

Aircraft: F - 15

Part Name: Windscreen

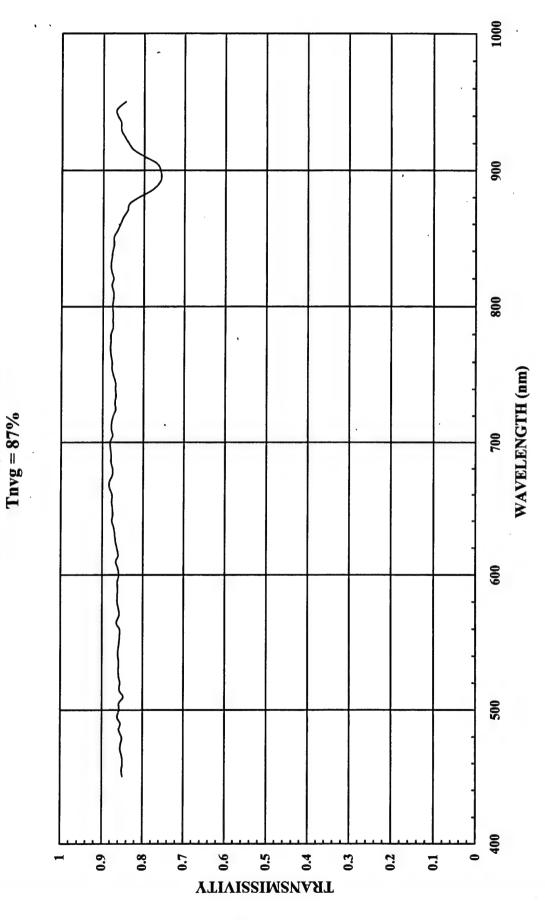
Manufactured: N/A

S/N# N/A, Laboratory Windscreen

Material Type: Acrylic

Construction: Stretched

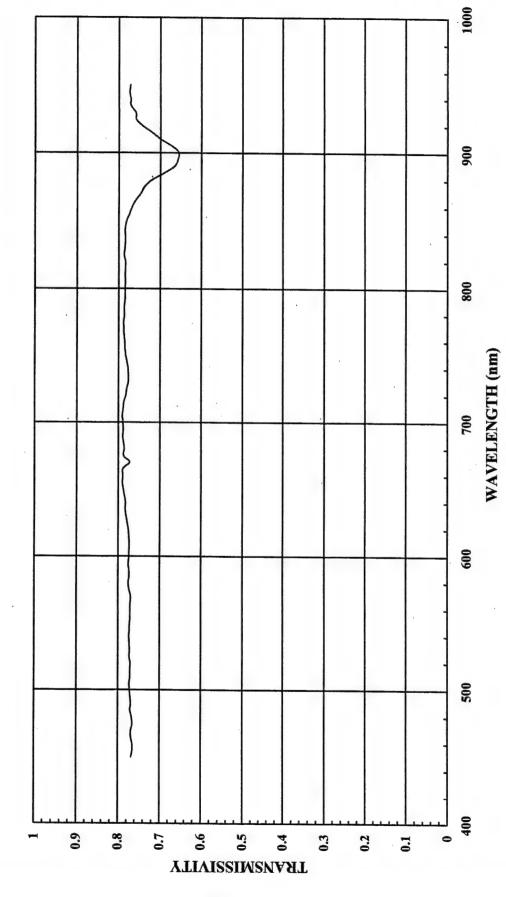
F-15 WINDSCREEN (LABORATORY, STRETCHED ACRYLIC, NO SERIAL NUMBER) @ NORMAL



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450		0.0001	8.49539E-0
455		0.0001125	9.58166E-0
460		0.000123	0.00010447
465		0.0001375	0.00011701
470	0.8549043	0.00015	0.00012823
475	0.8538077	0.00016172	0.00013807
480	0.8509384	0.000175	0.00014891
485	0.8582555	0.00019375	0.00016628
. 490	0.8548229	0.0002125	0.00010826
495	0.8625001	0.00022266	0.00019204
500	0.8579138	0.0002375	0.00019204
505	0.8583071	0.00027656	0.000203737
510	0.8478849	0.00027030	0.00023737
515	0.857143	0.0003123	
520	0.8558141	0.00034279	0.0002938
525	0.8590807	0.000375	0.00032093
530	0.8599164	0.00041875	0.00035974
535	0.8591119		0.00039771
540	0.8609567	0.00050703	0.000435596
545		0.00055	0.000473526
550	0.8604652	0.00058359	0.00050215
555	0.8582997	0.000625	0.00053643
560	0.8571429	0.0007	0.000
	0.856588	0.000775	0.000663856
[.] 565 570	0.864567	0.00085	0.000734882
	0.8583156	0.000925	0.000793942
575	0.8596804	0.0014525	0.001248686
580	0.8629532	0.00198	0.00170864
585	0.8624015	0.0047175	0.00406837
590	0.8619815	0.0078	0.00672345
595	0.8628711	0.0114	0.00983673
600	0.8594878	0.015	0.01289231
605	0.8621107	0.026263	0.022641613
. 610	0.8667974	0.052	0.045073469
615	0.8608366	0.088388	0.076087625
620	0.8644603	0.175	0.151280553
625	0.8679196	0.43288	0.375705036
630	0.8693624	0.6138	0.533614641
635	0.8721806	0.67756	0.590954687
640	0.8764046	0.7448	0.652746146
645	0.874494	0.82458	0.721090263
650	0.8757144	0.8897	0.779123102
655	0.8771847	0.89654	0.78643117
660	0.8761399	0.9034	0.791504786
665	0.8827827	0.91051	0.803782476
670	0.8825365	0.9172	0.809462478
675	0.8756588	0.92241	0.807716434
680	0.8751928	0.9276	0.81182884
685	0.8792874	0.93254	0.819970672
690	. 0.8790539	0.9379	
695	0.8804021	0.9448	0.824464653
700	0.8816761	0.9517	0.831803904
705	0.8756138	0.9586	0.839091144 0.839363389

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG)	0.870417375	(SPECTRAL
	SUM	42.38803873	
950	0.845596	0	0
945		0	
940		0	0
935	0.8567617	0	0
930	0.8564274	0.0069	0.005909349
925		0.015525	
920		0.0276	
915		0.043125	
910		0.0621	0.049455602
905	<u> </u>	0.11009	0.084656436
900		0.175	0.133017973
895		0.25704	0.194647139
890		0.3448	0.263473679
885		0.42523	0.332311079
880		0.5034	0.410289978
875		0.58016	0.485350021
870		0.72646	0.550653143
865		0.72848	0.619412921
860		0.66334	0.68655744
850		0.86334	0.746965049
845 850		0.9172	0.800912248
. 840		0.9241 0.9172	0.810013664 0.800912248
835		0.93402	0.820431493
830		0.9448	0.832316647
825		0.95515	0.839347232
820		0.9655	0.844031121
815		0.97283	0.854083646
810		0.9793	0.856133929
805		0.9862	0.862640383
800		0.9931	0.870767856
795		0.9938	0.869575099
790		0.9945	0.871479853
785		0.99543	0.871062867
780		0.9966	0.877623899
775		0.99814	0.878723828
770		1	0.8814537
765		1	0.8802755
760	0.8768919	1	0.8768919
755	0.8772539	1	0.8772539
750		1	0.8740549
745		0.99719	0.866191942
740		0.9931	0.863030813
735		0.98838	0.857432795
730		0.9828	0.855091626
725		0.9802	0.850955533
720		0.9793	0.855732807
715		0.97304	0.854238725
710	0.8785167	0.9655	0.848207874

F-15 WINDSCREEN (LABORATORY, STRETCHED ACRYLIC, NO SERIAL NUMBER) @ DESIGN EYE Tnvg = 78%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.7687366	0.0001	7.68737E-05
455	. 0.7654986	0.0001125	8.61186E-05
460	0.7654867	0.000123	9.41549E-05
465	0.7692308	0.0001375	0.000105769
470	0.7693201	0.00015	0.000115398
475	0.765625	0.00016172	0.00012381
480	0.7678284	0.000175	0.0001343
485 490	0.7709643 0.7694982	0.00019375 0.0002125	0.000149374
495	0.7694962	0.0002125	0.00016351 0.00017173
500	0.7722993	0.00022286	0.00017173
505	0.7733454	0.00027656	0.00010342
510	0.7716607	0.0003125	0.000241144
515	0.7716837	0.00034279	0.00024114
520	0.7707432	0.000375	0.000289029
525	0.773258	0.00041875	0.000323802
530	0.7727446	0.0004625	0.000357394
535	0.773267	0.00050703	0.00039207
540	0.7741212	0.00055	0.00042576
545	0.7730796	0.00058359	0.000451162
550	0.7725424	0.000625	0.000482839
555	0.7714002	0.0007	0.00053998
560	0.7714844	0.000775	0.0005979
565	0.7710236	0.00085	0.0006553
570	0.7700519	0.000925	0.00071229
575	0.7737422	0.0014525	0.00112386
580	0.7760094	0.00198	0.001536499
585	0.773712 0.7747362	0.0047175 0.0078	0.003649986
590 595	0.7760952	0.0078	0.006042942 0.008847485
600	0.7742829	0.0114	0.01161424
605	0.7741387	0.026263	0.02033120
610	0.7736906	0.052	0.04023191
615	0.774905	0.088388	0.068492303
620	0.7760881	0.175	0.135815418
625	0.7788079	0.43288	0.337130364
630	0.7817522	0.6138	0.4798395
635	0.7837837	0.67756	0.531060484
640	0.7831414	0.7448	0.583283718
· 645	0.7853553	0.82458	0.647588273
650	0.7882409	0.8897	0.701297929
655 660	0.7906705 0.789553	0.89654 0.9034	0.70886773
665	0.7889043	0.91051	0.71328218 0.718305254
670	0.7735192	0.9172	0.7094718
675	0.7880759	0.9172	0.72692909
680	0.786338	0.9276	0.729407129
685	0.7882571	0.93254	0.735081276
690	0.7898863	0.9379	0.74083436
695	0.7886263	0.9448	0.74509412
700	0.7893158	0.9517	0.75119184
705	0.7910779	0.9586	0.75832727
710	0.7895963	0.9655	0.762355228
715	0.7875976	0.97304	0.766363969
720	0.7829787	0.9793	0.76677104
725	0.7812353	0.9802	0.765766841
730	0.7768362	0.9828	0.763474617
735	0.776883	0.98838	0.76785562
740	0.7777228	0.9931	0.772356513
745	0.780398	0.99719	0.778205082

		0.170004001	TRANSMISSION
	Tnvg(SUM/NVG)		(SPECTRAL
	SUM	37.95241462	
950	0.772541	0	0
945		. 0	0
940		0	
935	0	0	
. 930		0.0069	0.005237624
925		0.015525	0.011778429
. 920		0.0276	
915		0.043125	
910		0.0621	0.043367361
905		0.11009	
900		. 0.175	0.11473952
895		0.25704	0.169161777
890		0.3448	0.229801821
888		0.42523	0.2935196
880		0.5034	0.36366351
875		0.58016	0.428837679
870		0.6552	
865		0.72848	
860		0.0004	
855		0.86334	0.669105335
850	3,13,10,10	0.9103	0.711214295
845		0.9172	
840		0.9241	0.725270921
835		0.93402	
830		0.9448	
825		0.95515	0.757080218
820		0.97283 0.9655	0.763119858 0.757080218
815		0.9793	0.768618392
810		0.9862	0.773831593
808		0.9931	0.779850743
800		0.9938	0.780019011
790		0.9945	0.781704249
790		0.99543	0.78356885
78		0.9966	0.784247761
780		0.99814	0.787189399
775		1	0.787738
769		1	0.7874331
760		1	0.7856334
755		1	

Aircraft: F - 15

Part Name: Windscreen, SIERRACIN

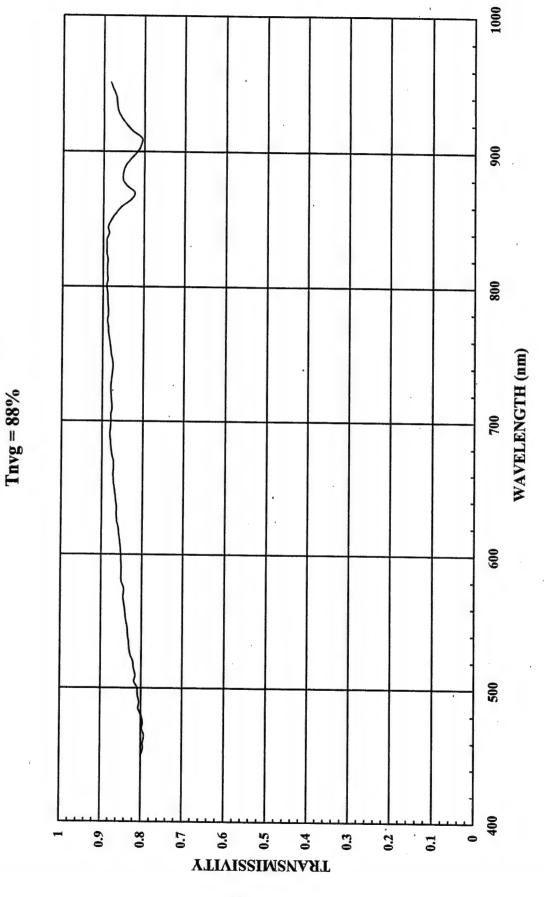
Manufactured: 8/93

S/N# 009

Material Type: N/A

Construction: w/Inclusions

F-15 WINDSCREEN (WITH INCLUSIONS, SIERRACIN, S/N# 009, MFG. 8/93) @ NORMAL

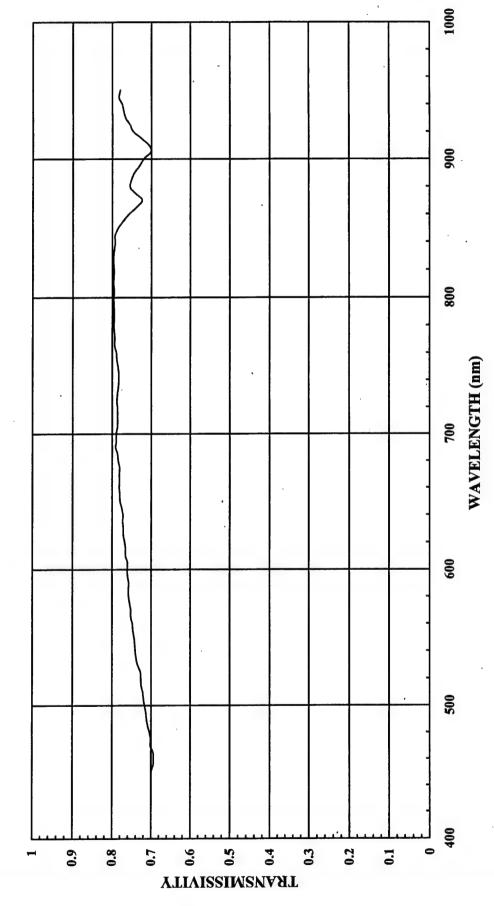


	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
45			8.00857E-05
45		0.0001125	
46		0.000123	
46			
47		0.00015	
47			0.00012869
48			
48			<u> </u>
49		0.0002125	0.000171119
49		0.00022266	
50			
50			
51		0.0003125	
51			0.000280703
52		0.000375	0.000307609
52		0.00041875	
53		0.0004625	0.000383803
53		0.00050703	
. 54		0.00055	
54		0.00058359	0.000486942
55		0.000625	
55		0.0007	0.000587591
56		0.000775	0.000651888
56		0.00085	
57		0.000925	0.00078113
57		0.0014525	0.001225479
58		0.00198	0.001682971
58		0.0047175	0.004010427
59		0.0078	0.006630111
59		0.0114	0.009695242
60		0.015	0.012773025
60		0.026263	0.022389176
61 61:		0.052 0.088388	0.044437515
		0.00300	
62 62		0.43288	0.373136803
63		0.43288	0.529796253
63		0.67756	0.584628716
64		0.7448	
64		0.82458	
650		0.8897	0.773596641
65		0.89654	0.780952415
660		0.9034	0.787695871
669		0.91051	0.7930655
670		0.9172	0.798954668
678		0.92241	0.807421263
680		0.9276	
688		0.93254	0.819583202
690		0.9379	
698		0.9448	
700		0.9517	
705		0.9586	

,			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG)	0.875671839	
	SUM	42.64392337	
			U
950		0	
945	0.8747591	0	
940		0	
935	0.8669603	0.0009	
930		0.015525	
925		0.015525	0.020010071
920		0.043125	0.00000,00
915		0.043125	0.050124791
910		0.11009	
905		0.11009	
900		0.25704	
895		0.3448	
890	0.000	0.42523	-::
885		0.5034 0.42523	
880			
875		0.58016	
870		0.72848 0.6552	2.00.02001
865		0.8	
. 860		0.86334	
855	0.0.00	0.9103	
. 850			
845		0.9241	0.817932184
. 840		0.93402	0.000
835		0.9448	
830		0.9448	5,5556,5612
825		0.95515	
820		0.9655	
818		0.97283	
810		0.9793	
805		0.9862	01001000101
800		0.9938	
798		0.9945	
790		0.99543	0.000,0000
785		0.99543	
780		0.9966	
77:		0.99814	0.0002023
770		1	0,000+12-
76			
760		1	
755		1	0.0,0012
750		0.99719	
74		0.9931	
74		0.98838	
73		0.9828	
730		0.9802	
72		0.9793	0.0000000
71: 72:		0.97304	
	0.0700704	0.9655	0.845562114

F-15 WINDSCREEN (WITH INCLUSIONS, SIERRACIN, S/N# 009, MFG. 8/93)

@ DESIGN EYE Thoug = 78%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	NVG SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
45		0.0001	7.00928E-0
45			7.82345E-0
46			
46			
47	0.7019175		
47	5 0.7008928		0.00011334
48	0.7045577	0.000175	
48	5 0.7085954		
49	0.7118728		
49			
50		0.0002375	
50			
51		0.0003125	
51		0.00034279	0.00024878
52		0.000375	
52		0.00041875	
53		0.0004625	0.00034031
53	5 0.7391803	0.00050703	0.00037478
54	0.7412117	0.00055	
54	5 0.7427766	0.00058359	0.00043347
55	0.7440678	0.000625	0.000465042
55		0.0007	0.000523020
56	0.7480469	0.000775	0.000579730
56		0.00085	0.00063957
57		0.000925	0.000696218
57		0.0014525	0.00109705
58	0.7583259	0.00198	0.00150148
58	0.7584895	0.0047175	0.003578174
59	0.7579128	0.0078	0.0059117
59	0.760411	0.0114	0.00866868
60	0.7611977	0.015	0.01141796
60	0.7605532	0.026263	0.019974409
61	0.7656516	0.052	0.039813883
61	0.7660329	0.088388	0.067708116
62		0.175	0.134393018
62		0.43288	0.333804936
63		0.6138	0.47379375
63		0.67756	0.524043605
64		0.7448	
64		0.82458	0.639301079
65		0.8897	0.694068049
65		0.89654	0.699830786
66	0.7822702	0.9034	0.706702899
66		0.91051	0.711485898
67		0.9172	0.717461356
67		0.92241	0.720429698
68		0.9276	0.72797779
68		0.93254	0.7333567
69		0.9379	0.74193733
69		0.9448	0.746065099
70		0.9517	0.751477357
70	0.7869216	0.9586	0.754343046

			COEFFICIENT)
	B(TRANSMISSION
	Tnvg(SUM/NVG)		(SPECTRAL
	SUM	38.14356843	
950	0.7797132	U	N. C.
945 950		0	
940		0	C
935		0	
930		0.0069	0.005288861
925		0.015525	0.011729456
920		0.0276	0.020637649
915		0.043125	0.031228447
910		0.0621	0.043837812
905		0.11009	0.077222972
900	0.7185515	0.175	0.125746513
895	0.7315035	0.25704	0.18802566
890		0.3448	0.25665419
885	0.7514636	0.42523	0.319544867
880		0.5034	0.380103094
875		0.58016	0.429383958
870		0.6552	0.474212007
865	0.73965	0.72848	0.538820232
. 860		0.8	0.60698616
855		0.86334	0.666426218
850		0.9103	0.714266622
845		0.9172	0.727378306
. 840		0.9241	0.732809452
835		0.93402	0.742489112
830		0.9448	0.752957982
825		0.95515	0.761611203
820		0.9655	0.768065388
815		0.97283	0.774359644
810		0.9793	0.780543818
805		0.9862	0.784392908
800		0.9931	0.791104056
795		0.9938	0.791016601
790		0.9945	0.790933905
785		0.99543	0.791614314
780		0.9966	0.793259417
775		0.99814	0.793479777
770		1	0.7934927
765		1	0.7938948
755 760		1	0.789259
750		1	0.7856128 0.7883144
745		0.99719	0.780899489
740		0.9931	0.77801033
735		0.98838	0.775346848
730		0.9828	0.773290234
725		0.9802	0.772417792
720		0.9793	0.77070675
715		0.97304	0.76493866
710		0.9655	0.758856932

Aircraft: F - 15

Part Name: Windscreen, PILKINGTON

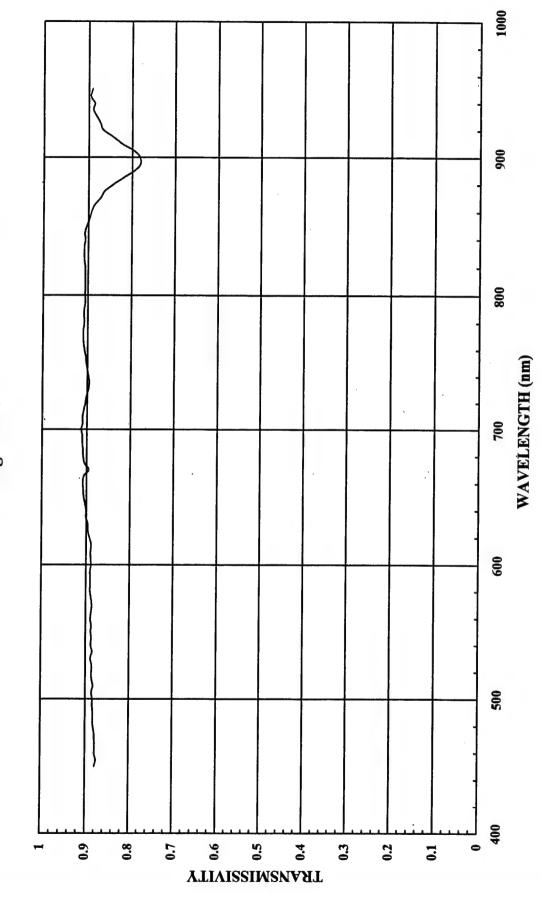
Manufactured: N/A

S/N#.A41-0492

Material Type: Acrylic

Construction: N/A

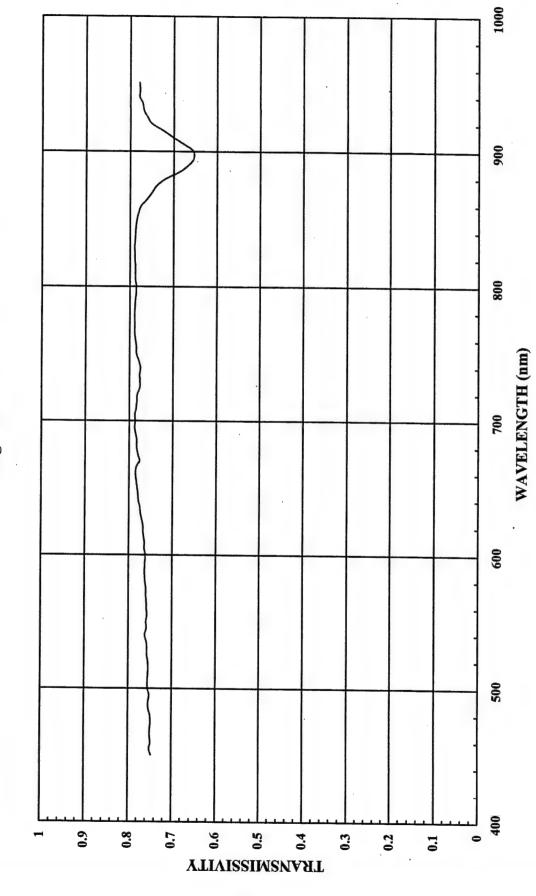
F-15 WINDSCREEN (ACRYLIC, PILKINGTON, S/N# A41-0492)@ NORMAL Tnvg = 90%



	CDECTD 4	The same of the sa	
	SPECTRA-	RELATIVE	NVG
WAVELENGTH(nm)	RADIOMETRIC READING	SPECTRAL SENSITIVITY "NVIS A"	SPECTRAL
450	0.8786581		RESPONSE
455		0.0001 0.0001125	8.78658E-08
460		0.0001125	9.85512E-05
465	0.8783541	0.000123	
470		0.0001575	
475		0.00016	
480		0.00016172	
485		0.000173	
490	0.8827621	0.00013373	
495	0.8842592	0.0002123	
500	0.8839086		
505	0.8862194	0.00027656	
510			
515		0.00034279	
520	0.8863547	0.000375	
525		0.00041875	
530	0.8888466	0.0004625	
535	0.8851015	0.00050703	
540	0.8881825	0.00055	0.000488
545	0.8872446	0.00058359	0.00051778
550	0.8884746	0.000625	0.00055529
555	0.8875248	0.0007	0.00062126
560	0.8896485	0.000775	0.000689478
565	0.8878741	0.00085	0.000754693
570	0.8865508	0.000925	0.000820059
575	0.8880619	0.0014525	0.0012899
580	0.8906572	0.00198	0.00176350
585	0.8905152	0.0047175	
590	0.8902195	0.0078	0.00694371
595	0.8910221	0.0114	0.01015765
600 605	0.8887771	0.015	0.01333165
610	0.8896167	0.026263	0.023364003
615	0.890134	0.052	0.046286968
. 620	0.8889734 0.8930257	0.088388	0.07857458
625	0.8964239	0.175	0.156279498
630	0.8970969	0.43288	0.388043978
635	0.9012377	0.6138 0.67756	0.550638077
640	0.9007596		0.610642616
645	0.9030868	0.7448 0.82458	0.67088578
650	0.9067877	0.8897	0.744667314
655	0.9076418	0.89654	0.806769017
660	0.9085886	0.9034	0.813737179
665	0.9065187	0.91051	0.82081894
670	0.8954703	0.9172	0.825394342 0.821325359
675	0.905149	0.92241	0.834918489
680	0.9085773	0.9276	0.834918488
685	0.9089228	0.93254	0.847606868
690	0.9106233	0.9379	0.854073593
695	0.9105858	0.9448	0.860321464
700	0.9126651	0.9517	0.868583376
705	0.9099473	0.9586	0.872275482
710	0.9101967	0.9655	0.878794914
715	0.9072266	0.97304	0.88276777
720	0.9040189	0.9793	0.885305709

0.02394216 0.0135660 0.00608019 (
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0.0135660
0.0135660
0.02394216
0.03634024
0.05110847
0.08769388
0.1369758
0.20075497
0.27416661
0.34805947
0.42543652
0.50149424
0.57175746
0.64639771
0.77526464
0.82245805 0.77526464
0.83287098
0.83772086
0.8489975
0.85893638
0.86823669
0.87524409
0.88202468
0.8878721
0.89371702
0.90054188
0.90072337
0.90348495
0.90424930
0.90509667
0.90850283
0.910137
0.909536
0.906866
0.904242
0.903218
0.89749543
0.89157767
0.8853749
0.88243882
0.88433585

F-15 WINDSCREEN (ACRYLIC, PILKINGTON, S/N# A41-0492) @ DESIGN EYE Tnvg = 78%



	CDECTD A	DEN ATENTO	NIVO
	SPECTRA-	RELATIVE	NVG
TATEL BACONIA	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm) 450	READING 0.7470337	"NVIS A"	RESPONSE
455	0.7470327 0.7512263	0.0001	7.47033E-05
		0.0001125	8.4513E-05
460 465	0.7485304	0.000123 0.0001375	
470	0.75 0.7496977		0.000103125
475	0.748118	0.00015 0.00016172	0.000112455
480	0.7491658		0.000120986
485	0.7491050	0.000175 0.00019375	0.000131104
490	0.7534598	0.00019375	0.000145917
495	0.7514313	0.0002125	0.00016011
7.100			0.000167314
500 505	0.755007 0.7555242	0.0002375 0.00027656	0.000179314
			0.000208948
510	0.7546729	0.0003125	0.000235835
515 520	0.7539266	0.00034279	0.000258438
520	0.7547551	0.000375	0.000283033
525	0.7569147	0.00041875	0.000316958
530	0.7569061	0.0004625	0.000350069
535	0.7583202	0.00050703	0.000384491
540	0.7620331	0.00055	0.000419118
545	0.7583454	0.00058359	0.000442563
550	0.7595246	0.000625	0.000474703
555	0.7571819	0.0007	0.000530027
560	0.758297	0.000775	0.00058768
565	0.7586654	0.00085	0.000644866
570 575	0.7602009	0.000925	0.000703186
	0.7596567	0.0014525	0.001103401
580	0.7619337	0.00198	0.001508629
585 590	0.7628803	0.0047175	0.003598888
	0.763158	0.0078	0.005952632
595 600	0.7622069 0.7616473	0.0114	0.008689159
605		0.015 0.026263	0.01142471
· 610	0.7641628		0.020069208
615	0.7635679 0.7664655	0.052 0.088388	0.039705531
. 620	0.766964		0.067746353
625		0.175 0.43288	0.1342187
630	0.7690424 0.7736702	0.43268	0.332903074 0.474878769
635	0.7745352	0.67756	0.52479407
640	0.7782532	0.7448	0.579642983
645	0.7793646	0.82458	0.642648462
650	0.7816261	0.8897	0.695412741
655	0.7833534	0.89654	0.702307657
660	0.7851048	0.9034	0.702307637
665	0.7837607	0.91051	0.713621955
670	0.7761733	0.9172	0.711906151
675	0.7798913	0.92241	0.719379534
680	0.7827869	0.9276	0.726113128
685	0.7825081	0.93254	0.729720104
690	0.7850947	0.9379	0.736340319
695	0.7875217	0.9448	0.744050502
700	0.7864107	0.9517	0.748427063
705	0.787204	0.9586	0.754613754

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG)	0.778311534	(SPECTRAL
	SUM T(SYMANYC)	37.90262049	
950	0.7788259	0	0
945		0	0
940	0.778918	0	0
935	0.771836	0	0.00000000
930	0.7689713	0.0069	0.005305902
925		0.015525	0.011803512
920		0.0276	0.020705338
915		0.043125	0.043443723
910		0.0621	0.043443725
905		0.11009	0.074461683
900		0.175	0.10631671
895		0.25704	0.168318711
890		0.3448	0.230066904
885		0.42523	0.30251928
880		0.5034	0.362519281
875		0.58016	0.428826076
870		. 0.6552	0.490570844
865		0.72848	0.555168410
860		0.80034	0.6201835
855		0.86334	0.67381796
850		0.9103	0.721512904
845		0.9172	0.721512904
840		0.9241	0.730227442
835		0.93402	0.736227442
830		0.9448	0.746023906
825		0.95515	0.75356826
820		0.9655	0.76169250
815		0.97283	0.76616034
810		0.9793	0.77140234
805		0.9862	0.77683753
800		0.9931	0.781098775 0.780066345
795		0.9938	
. 790		0.9945	0.7843617 0.783274068
785		0.99543	0.786401912
780		0.9966	0.78714538
775		0.99814	0.7884618
770		1	0.7888156
765		1	0.7864752
760		1	0.784429
755		1	0.7843659
750		0.99719	0.776566
745		0.9931	0.769589637
740		0.98838	0.767725153
735		0.9828	0.762660368
730		0.9802	0.761074428
725		0.9793	0.765759522
710		0.97304	0.76197263
710		0.9655	0.75735461
710	0.704447	0.00==	

Aircraft: F-15

Part Name: Single seat canopy, SWEDLOW

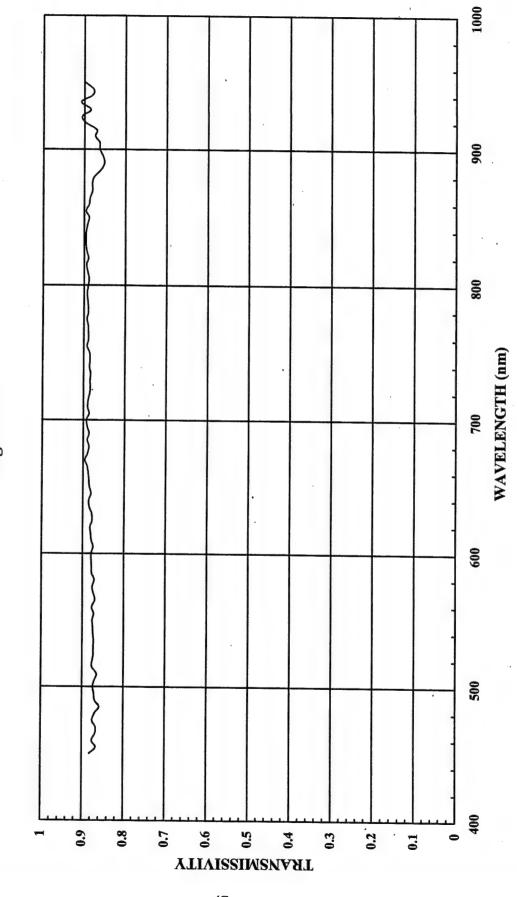
Manufactured: N/A

S/N# 2442

Material Type: Stretched Acrylic

Construction: N/A

F-15 CANOPY (SWEDLOW, SINGLE-SEAT, STRETCHED ACRYLIC, S/N# 2442) a NORMAL Trivg = 89%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.882	0.0001	0.000088
455	0.8665413	0.0001125	9.74859E-0
460	0.8761063	0.000123	0.00010776
465	0.8681135	0.0001375	0.00011936
470	0.8668831	0.00015	0.00013003
475	0.875	0.00016172	0.00014150
480	0.8688525	0.000175	0.00015204
485	0.8585859	0.00019375	0.0001663
490	0.8693261	0.0002125	0.00018473
495	0.8716304	0.00022266	0.00019407
500	0.874378	0.0002375	0.00020766
505	0.8704857	0.00027656	0.00024074
510	0.865099	0.0003125	0.00027034
515	0.8766158	0.00034279	0.00030049
520	0.8752711	0.000375	0.00032822
525	0.8731959	0.00041875	0.00036565
530	0.8731809	0.0004625	0.00040384
535	0.8729166	0.00050703	0.00044259
540	0.8741044	0.00055	0.0004807
545	0.875	0.00058359	0.00051064
550	0.8762696	0.000625	0.0005476
555	0.8728585	0.0007	0.00061100
560	0.8774423	0.000775	0.0006800
565	0.8701965	0.00085	0.00073966
570	0.8736581	0.000925	0.00080813
575	0.8766129	0.0014525	0.0012732
580 585	0.8714285 0.8778747	0.00198 0.0047175	0.00172542
590	0.8782743	0.0047175	0.0041413
COE	0.8788321	0.0078	0.0068509 0.01001869
· 595	0.8792402	0.0114	0.01318860
605	0.8746736	0.026263	0.0229715
610	0.8788474	0.020203	0.04570006
615	0.8807089	0.088388	0.07784409
620	0.8823943	0.175	0.15441900
625	0.877305	0.43288	0.37976778
630	0.8787249	0.6138	0.53936134
635	0.8844594	0.67756	0.5992743
640	0.8857518	0.7448	0.65970794
645	0.8805875	0.82458	0.72611484
650	0.8846642	0.8897	0.78708573
655	0.8859102	0.89654	0.79425393
660	0.8871829	0.9034	0.80148103
665	0.890118	0.91051	0.8104613
670	0.8962265	0.9172	0.82201894
675	0.8895349	0.92241	0.82051588
680	0.8860244	0.9276	0.82187623
685	0.8903942	0.93254	0.83032820
690	0.8860104	0.9379	0.83098915
695	0.8902992	0.9448	0.84115468
700 · 705	0.8926868 0.8862973	0.9517 0.9586	0.84957002 0.84960459

T20				TRANSMISSION
720 0.8848786 0.9793 0.86685 725 0.883364 0.9802 0.86685 730 0.8841387 0.98528 0.86893 735 0.8830519 0.98838 0.87727 740 0.88564 0.9931 0.9838 745 0.8845161 0.99719 0.8202 745 0.8845161 0.99719 0.8202 755 0.8859103 1 0.8952 760 0.8845161 0.99719 0.8202 760 0.8845161 1 0.99719 0.8202 760 0.8845161 1 0.8952 760 0.8845161 1 0.8952 770 0.8859103 1 0.8852 770 0.8859103 1 0.8852 7770 0.885463 1 0.8852 7770 0.885463 1 0.8852 7770 0.885463 1 0.8852 7770 0.885463 1 0.8852 7770 0.885465 1 0.88666 7770 0.885465 1 0.88666 7785 0.882245 0.99814 0.9966 0.88601 7785 0.882455 0.99814 0.9966 0.88601 7785 0.8821986 0.9945 0.99643 0.86666 785 0.8890844 0.9966 0.88601 785 0.88915254 0.9945 0.88666 800 0.8896346 0.9931 0.88666 800 0.8896346 0.9931 0.88666 800 0.8896346 0.9931 0.88666 800 0.8896346 0.9931 0.88666 800 0.8896346 0.9931 0.886366 800 0.8896549 0.9938 0.8662 0.87573 815 0.8941271 0.9783 0.87622 815 0.8945249 0.97283 0.87622 820 0.8896105 0.9655 0.856918 825 0.8933002 0.95515 0.853618 826 0.88933002 0.95515 0.853618 827 0.88933002 0.95515 0.853618 828 0.8895346 0.9448 0.9448 0.846618 830 0.8895549 0.9448 0.9448 0.827353 840 0.8895549 0.9448 0.94361 835 0.8957428 0.93402 0.83646 840 0.8953068 0.9241 0.9772 0.81848 840 0.8953068 0.9241 0.9772 0.81848 845 0.88923221 0.9172 0.81848 846 0.8953068 0.9241 0.9723 0.87655 850 0.8881556 0.9103 0.86656 850 0.8896377 0.868634 0.9448 0.42623 0.85666 850 0.8896377 0.860897 0.86552 0.57609 850 0.889640 0.98533 0.55016 0.511059 850 0.889640 0.98533 0.55016 0.511059 850 0.889640 0.98533 0.55016 0.511059 850 0.889640 0.95261 0.900269 950 0.8891750 0.00069 0.90069 950 0.9002696 0.90069 950 0.9002696 0.900699 950 0.9002696 0.900699 950 0.9002696 0.900699 950 0.9002696 0.900699				THE A RICH CHARLES
T20		THVg(SUM/NVG):	0.887552076	
720 0.8848786 0.9793 0.886587 725 0.883364 0.9802 0.86597 730 0.8841387 0.9928 0.86893 735 0.8830519 0.9838 0.87279 740 0.88564 0.9931 0.87592 745 0.8845161 0.99719 0.86203 750 0.8859103 1 0.8856 755 0.8923547 1 0.882 760 0.8884914 1 0.882 760 0.8894944 1 0.8884 770 0.8894083 1 0.889 7775 0.892435 0.99814 0.8997 780 0.8890244 0.9966 0.8800 775 0.892435 0.99814 0.8907 780 0.8890244 0.9966 0.8800 785 0.898906 0.99543 0.8856 790 0.8915254 0.9945 0.8866 800 0.896366 0.9931 0.88766 </th <th></th> <th></th> <th></th> <th></th>				
720 0.8848786 0.9793 0.86567 725 0.883364 0.9802 0.86587 730 0.8841387 0.9928 0.86587 735 0.8830519 0.98838 0.87279 740 0.88564 0.9931 0.87525 745 0.8845161 0.99719 0.88203 750 0.8859103 1 0.8852 755 0.8923547 1 0.882 760 0.8884914 1 0.882 760 0.8884914 1 0.8884 760 0.8890845 1 0.8884 770 0.8894063 1 0.8896 775 0.892435 0.9814 0.890775 780 0.889060 0.99844 0.9966 0.88607 775 0.8989906 0.99453 0.8862 0.9862 0.8862 780 0.8989906 0.99454 0.9966 0.88606 0.8862 0.9934 0.8862 0.9934 0.8862 0.9934 </th <th></th> <th>STIM.</th> <th>***************************************</th> <th></th>		STIM.	***************************************	
720 0.8848786 0.9793 0.86567 725 0.883364 0.9902 0.865677 730 0.8841387 0.9928 0.865871 735 0.8830519 0.98838 0.87279 740 0.88564 0.9931 0.87525 745 0.8845161 0.99719 0.88203 750 0.8859103 1 0.8852 755 0.8923547 1 0.8852 760 0.8884914 1 0.8884 765 0.8890845 1 0.8884 770 0.8894063 1 0.8884 7770 0.8894063 1 0.88977 780 0.8980244 0.9966 0.88607 785 0.8980906 0.9943 0.8865 790 0.8915254 0.9945 0.8862 790 0.8915254 0.9945 0.8866 800 0.896346 0.9931 0.88666 805 0.8879573 0.9662 0.87762	950	0.9002696	0	0
720 0.8848786 0.9783 0.886567 725 0.883364 0.9802 0.86557 730 0.8841387 0.9822 0.868937 735 0.8830519 0.98838 0.872797 740 0.88564 0.9931 0.872797 745 0.8845161 0.99719 0.88203 755 0.882517 755 0.8823547 1 0.88257 755 0.8823547 1 1 0.8825 755 0.8823547 1 0.882547 760 0.8884914 1 0.8825 766 0.8890845 1 1 0.8893 776 0.8894914 0 1 0.8884 776 0.8894914 0 1 0.8893 777 0.8894963 1 0.98914 0.98961 777 0.8894963 1 0.98914 0.9966 0.8899045 1 0.8899045 1 0.88990 777 0.8894963 0 0.99814 0.99966 0.886001 785 0.889906 0.99843 0.89860 785 0.8898906 0.99843 0.88667 790 0.8815254 0.9945 0.88666 800 0.886346 0.9931 0.886666 800 0.8896346 0.9931 0.88364 800 0.8896346 0.9931 0.88368 800 0.8896346 0.9931 0.88368 800 0.8896346 0.9931 0.88368 800 0.8896346 0.9931 0.88368 805 0.8879573 0.9862 0.875703 810 0.8912711 0.9793 0.872821 815 0.8945249 0.97283 0.872822 820 0.8896105 0.9955 0.858918 825 0.8833002 0.95515 0.85323 826 0.8896306 0.99448 0.94640 825 0.8895349 0.9448 0.94610 826 0.8895349 0.9448 0.94610 827 0.8895368 0.9941 0.8655 0.858918 826 0.8896105 0.9655 0.858918 827 0.8895368 0.9948 0.94610 828 0.94818 0.94610 828 0.94818 0.94610 829 0.94818 0.94610 829 0.94818 0.94610 829 0.989531 0.883610 820 0.8895349 0.9448 0.94610 835 0.8895368 0.9241 0.827353 845 0.8895368 0.9241 0.827353 846 0.8895368 0.9241 0.827353 847 0.8896893 0.58016 0.511059 848 0.8896131 0.72848 0.86331 850 0.8895369 0.9241 0.827353 848 0.8896131 0.72848 0.86331 850 0.8895369 0.9241 0.827353 880 0.8895369 0.9241 0.827353 880 0.8895369 0.9241 0.827353 880 0.8895369 0.9241 0.827353 880 0.8895369 0.9241 0.827353 880 0.8895369 0.9241 0.827353 880 0.8895369 0.9241 0.92731 880 0.889693 0.58016 0.511059 880 0.889693 0.580179 0.05022 0.5876700 880 0.889693 0.58016 0.511059 900 0.889179 0.05022 0.5704 0.219681 900 0.8891794 0.043125 0.05764 900 0.8891795 0.01009 0.095025 910 0.8740876 0.0621 0.0624 900 0.8891716 0.06021 0.06487 925 0.9052631 0.015555 0.014055 935 0.9078014 0 0		0.0		0
720 0.8848786 0.9793 0.886686 725 0.883364 0.9802 0.886587 733 0.8841387 0.9802 0.886587 733 0.8841387 0.9802 0.886838 0.872797 735 0.88330519 0.98838 0.872797 740 0.88564 0.9931 0.98238 0.872797 740 0.88564 0.9931 0.98238 0.872797 745 0.8845161 0.99719 0.88203 755 0.8823547 1 1 0.8855 0.8823547 1 1 0.8855 0.8823547 1 1 0.8855 0.8823547 1 1 0.8855 0.8823547 1 1 0.8855 0.8823547 1 1 0.8855 0.8823547 1 1 0.8855 0.8823547 1 1 0.8855 0.8823547 1 0.8855 0.8823547 1 1 0.8855 0.8823547 1 1 0.8855 0.882354 1 0.8855 0.882354 1 0.8855 0.882354 0.9814 0.99966 0.886007 0.8894063 1 1 0.8855 0.8855 0.882435 0.99814 0.99966 0.886007 0.8855 0.882435 0.99814 0.99966 0.886007 0.8855 0.8855 0.8921986 0.99543 0.8855 0.8				0
720 0.8848786 0.9783 0.886656 725 0.883304 0.9802 0.86557 730 0.8841387 0.9802 0.86557 730 0.8841387 0.9802 0.86581 735 0.8830519 0.98838 0.872797 740 0.88564 0.9931 0.87552 745 0.883519 0.98838 0.872797 745 0.88561 0.99719 0.88200 750 0.885610 0.99719 0.88200 750 0.885610 0.99719 0.88200 750 0.885610 0.99719 0.88200 755 0.8923547 1 0.8852 750 0.8823547 1 0.8852 750 0.882454 1 0.8852 750 0.8884914 1 0.8852 750 0.8884914 1 0.8852 750 0.8884914 1 0.8852 750 0.8884914 1 0.8892 750 0.8884914 1 0.8892 750 0.8894063 1 0.8892 757 0.882435 0.9914 0.9966 0.88600 0.88004 0.9964 0.9966 0.88600 0.88004 0.9964 0.9966 0.88600 0.88004 0.9964 0.9966 0.88600 0.88004 0.9964 0.9966 0.88600 0.8800 0.8852 0.9945 0.8945 0.88660 0.8800 0.8800 0.8800 0.99543 0.88660 0.8800 0.8800 0.8806346 0.9931 0.88666 0.8800 0.8806346 0.9931 0.88666 0.8800 0.8806346 0.9931 0.88380 0.8806 0.8805757 0.9862 0.875703 0.88666 0.8800 0.8805757 0.9862 0.875703 0.8802 0.875703 0.8802 0.875703 0.8802 0.875703 0.8802 0.875703 0.8802 0.8805 0.88055 0.88055 0.880557 0.9862 0.875703 0.8806 0.8805 0.88055				0
720				0.006105
720 0.8848786 0.9793 0.86656 725 0.883384 0.9802 0.86587 730 0.8841387 0.9828 0.86893 735 0.8830519 0.98838 0.872790 740 0.88564 0.9931 0.875922 745 0.8845161 0.99719 0.88201 750 0.8859103 1 0.8855 755 0.8923547 1 0.8925 760 0.8884914 1 0.8856 765 0.8890845 1 0.8896 770 0.8894063 1 0.8897 775 0.892435 0.99814 0.89077 780 0.892435 0.99814 0.89077 780 0.8890244 0.9966 0.88601 785 0.8989090 0.99453 0.88662 795 0.8921986 0.9934 0.8662 795 0.8921986 0.9933 0.88662 805 0.8945249 0.9933 0.87503<			0.015525	0.01405421
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720 0.8848786 0.9793 0.866561 725 0.883364 0.9802 0.865873 730 0.8841387 0.9828 0.868931 735 0.8830519 0.98838 0.872790 740 0.88564 0.9931 0.879529 745 0.8845161 0.99719 0.88203 750 0.8859103 1 0.8859 755 0.8923547 1 0.8923 760 0.8884914 1 0.8884				
720 0.8848786 0.9793 0.866561 725 0.883364 0.9802 0.865873 730 0.8841387 0.9828 0.868931 735 0.8830519 0.98838 0.872790 740 0.88564 0.9931 0.879528 745 0.8845161 0.99719 0.88203 750 0.8859103 1 0.8859 755 0.8923547 1 0.8923				
720 0.8848786 0.9793 0.866561 725 0.883364 0.9802 0.865873 730 0.8841387 0.9828 0.868931 735 0.8830519 0.98838 0.872790 740 0.88564 0.9931 0.879529 745 0.8845161 0.99719 0.88203 750 0.8859103 1 0.8859				
720 0.8848786 0.9793 0.866561 725 0.883364 0.9802 0.865873 730 0.8841387 0.9828 0.868931 735 0.8830519 0.98838 0.872790 740 0.88564 0.9931 0.879529 745 0.8845161 0.99719 0.88203				0.885910
720 0.8848786 0.9793 0.866561 725 0.883364 0.9802 0.865873 730 0.8841387 0.9828 0.868931 735 0.8830519 0.98838 0.872790 740 0.88564 0.9931 0.879529				
720 0.8848786 0.9793 0.866561 725 0.883364 0.9802 0.865873 730 0.8841387 0.9828 0.868931 735 0.8830519 0.98838 0.872790				0.87952908
720 0.8848786 0.9793 0.866561 725 0.883364 0.9802 0.865873 730 0.8841387 0.9828 0.868931				0.87279083
720 0.8848786 0.9793 0.866561 725 0.883364 0.9802 0.865873			0.9828	0.86893151
720 0.8848786 0.9793 0.866561				
715 0.000007	715	0.8886027	0.97304	7.00000
710 0.8901024 0.9655 0.859393	710	0.8901024	0.9655	0.85939386

Aircraft: F-15

Part Name: Dual seat canopy, SWEDLOW

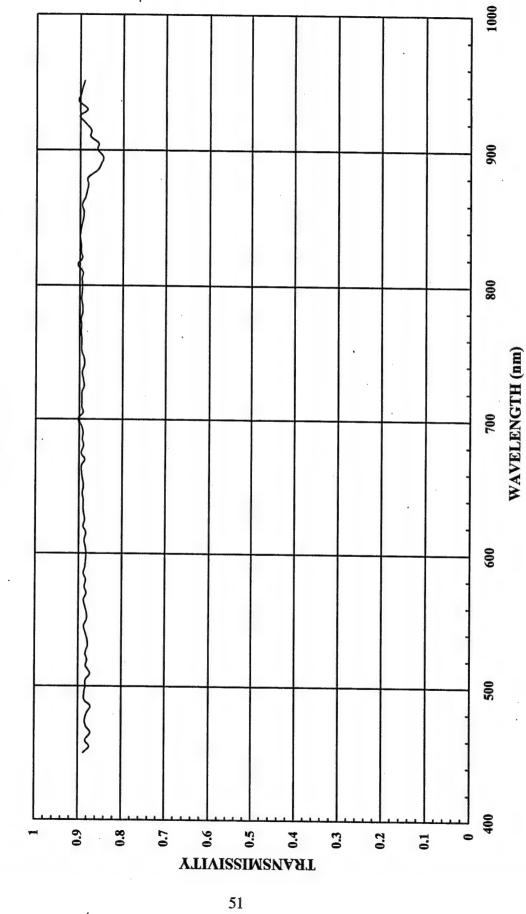
Manufactured: N/A

S/N# 0390

Material Type: N/A

Construction: N/A

F-15 CANOPY (SWEDLOW, DUAL-SEAT, S/N# 0390) @ NORMAL Tnvg = 89%



F-15, CANOPY, DUAL	SEAT, SWEDLOW, S/N#	USYU (a) NORMAL		
	SPECTRA-	RELATIVE	NVG	
	RADIOMETRIC	SPECTRAL SENSITIVITY		
WASTEL ENICITIES				
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE	
450		0.0001	0.0000888	
455		0.0001125	9.83318E-05	
460 465		0.000123		
470		0.0001375	0.000119825	
475		0.00015		
480		0.00016172 0.000175	0.000143021	
485		0.000175	0.000153875	
490		0.00019375	0.000168867	
495		0.0002125	0.000188239	
500	0.8830845	0.00022200	0.000197221	
505	0.882939	0.0002375	0.000209733	
510	0.8725247		0.000244186	
510		0.0003125 0.00034279	0.000272664	
520	0.8796096	0.00034279	0.000302509	
525		0.00041875	0.000329854	
530		0.00041875	0.000369968	
535	0.8791666	0.0004625	0.00040625	
540	0.8833163	0.00050703	0.000445764	
545	0.8875	0.00058359	0.000485824 0.000517936	
550	0.8808864	0.00036359	0.000517936	
555	0.8809739	0.00023	0.000330334	
560	0.8845471	0.000775	0.000615524	
565	0.8881298	0.00085	0.00075491	
570	0.8819158	0.000925	0.000815772	
575	0.8862903	0.0014525	0.001287337	
580	0.8833333	0.00198	0.001749	
585	0.888977	0.0047175	0.004193749	
590	0.885208	0.0078	0.006904622	
595	0.8839416	0.0114	0.010076934	
600	0.8826323	0.015	0.013239485	
605	0.8844647	0.026263	0.023228696	
610	0.8873609	0.052	0.046142767	
615	0.8834356	0.088388	0.078085106	
620	0.8901408	0.175	0.15577464	
625	0.8865249	0.43288	0.383758899	
630	0.8891199	0.6138	0.545741795	
635	0.8898648	0.67756	0.602936794	
640	0.8896914	0.7448	0.662642155	
645	0.8927203	0.82458	0.736119305	
650	0.8897339	0.8897	0.791596251	
655	0.8915212	0.89654	0.799284417	
660	0.8938584	0.9034	0.807511679	
665	0.8945428	0.91051	0.814490165	
670	0.8867925	0.9172	0.813366081	
675	0.8953488	0.92241	0.825878687	
680	0.8900951	0.9276	0.825652215	
685	0.8928572	0.93254	0.832625053	
690	0.8911917	0.9379	0.835848695	
695	0.8939257	0.9448	0.844581001	
700	0.9030207	0.9517	0.8594048	

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.892305081	(SPECTRAL
	SUM:	43.45393766	
950		0	0
945		0	0
940		0	
935		0.0009	0.0000
930		0.015525 0.0069	
925		0.0276	
920		0.043125	
910		0.0621	0.05439416
905 910		0.11009	
900		0.175	
895		0.25704	0.217651576
890		0.3448	0.293699399
885		0.42523	0.365673987
880		0.5034	0.444021252
875		0.58016	0.511059057
870		0.6552	0.579032017
865		0.72848	0.646432755
860	0.8955867	0.8	
855	0.8913934	0.86334	
850	0.892051	0.9103	0.812034025
845	0.8960674	0.9172	0.821873019
840	0.8989169	. 0.9241	0.830689107
835		0.93402	
830		0.9448	
825		0.95515	
820		0.9655	
818		0.97283	
810		0.9793	
805		0.9862	
800		0.9938	
795		0.9945 0.9938	
790		0.99543	
785		0.9966	
780		0.99814	
770 775		1	0.000001
. 765		1	0.8967136
760		1	0.8950507
755		1	0.8954128
750		1	0.8946384
74!		0.99719	
74(0.9931	
73		0.98838	
730	0.8909541	0.9828	
72!		0.9802	
720		0.9793	0.0.02000
71:	0.894398	0.97304	
710		0.9655	
709	0.8913994	0.9586	0.954405405

Aircraft: F – 16

Part Name: Canopy, A/C Type, TEXSTARS

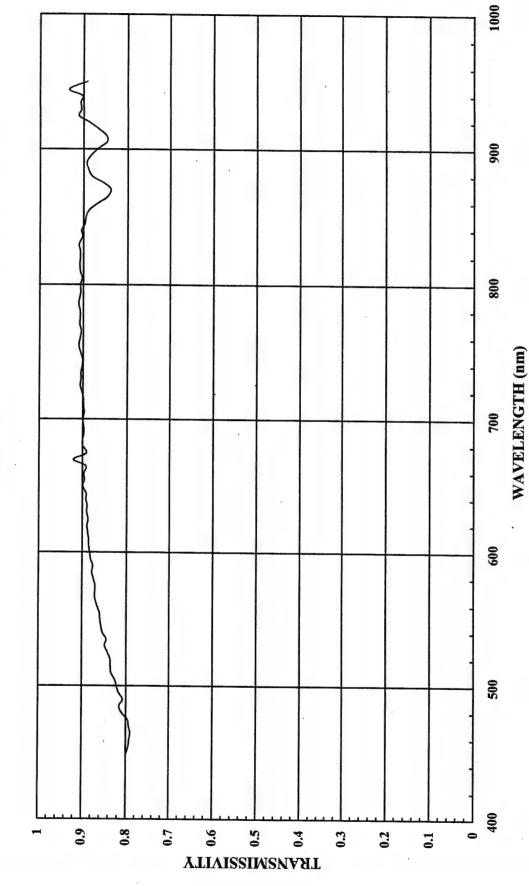
Manufactured: 1/12/81

S/N# 138

Material Type: N/A

Construction: N/A

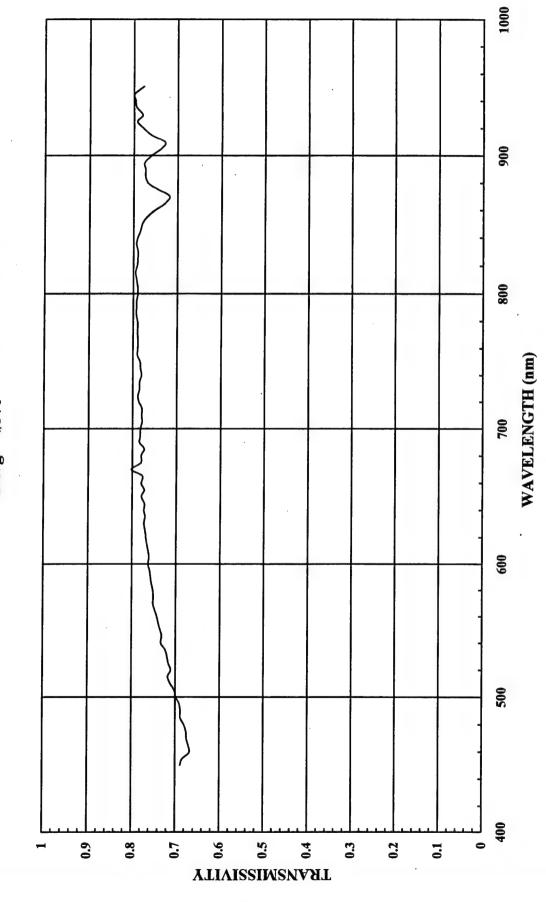
F-16 CANOPY (TEXSTARS, A/C TYPE, S/N# 138, MFG 1/12/81) @ NORMAL Tnvg = 90%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAYNON EDICOPPIA			
WAVELENGTH(nm)		"NVIS A"	RESPONSE
450	0.7983539		7.98354E-05
455	0.7945736		8.93895E-05
460	0.7927928		9.75135E-05
465	0.7905405		0.000108699
470	0.7937293		0.000119059
475	0.7958861		0.000128711
. 480	0.810687		0.00014187
485	0.8154762		0.000157999
490	0.8078542		0.000171669
495	0.8177084		0.000182071
500	0.8217446		0.000195164
505	0.8260869		0.000228463
510	0.8337563	0.0003125	0.000260549
515	0.8359096		0.000286541
520	0.8360837	0.000375	0.000313531
525	0.841553	0.00041875	0.0003524
530	0.8489362	0.0004625	0.000392633
535	0.845175	0.00050703	0.000428529
540	0.8534303	0.00055	0.000469387
545	0.8575609	0.00058359	0.000500464
550	0.8595506	0.000625	0.000537219
555	0.8608058	0.0007	0.000602564
560	0.8662478	0.000775	0.000671342
565	0.8713043	0.00085	0.000740609
570	0.8715366	0.000925	0.000806171
575	0.8708095	0.0014525	0.001264851
580	0.8751008	0.00198	0.0017327
585	0.8783026	0.0047175	0.004143393
590	0.8761683	0.0078	0.006834113
595	0.8812684	0.0114	0.01004646
600	0.8835616	0.015	0.013253424
605	0.885582	0.026263	0.02325804
` 610	0.8859417	0.052	0.046068968
615	0.8881215	0.088388	0.078499283
620	0.8897582	0.175	0.155707685
625	0.8873745	0.43288	0.384126674
630	0.8906798	0.6138	0.546699261
635	0.8896458	0.67756	0.602788408
640	0.8921958		0.664507432
645	0.8916828		0.735263803
650	0.899743		0.800501347
. 655	0.8959646	0.89654	0.803268102
660	0.8973666	0.9034	0.810680986
665	0.8929099	0.91051	0.813003393
670	0.9207921	0.9172	0.844550514
675	0.8917748	0.92241	0.822581993
680	0.9	0.9276	0.83484
685	0.9	0.93254	0.839286
690	0.8976215	0.9379	0.841879205

1 (COEFFICIENT)
1			TRANSMISSION
	8,	0.050050196	
	Tnvg(SUM/NVG)		(SPECTRAL
	SUM	43.75066343	
	2,00,100,10	0	U
950	0.8913043	0	0
945	0.9329897	0	0
940	0.9029127	0	0
935	0.9054940	0.0069	0.006247913
930	0.9054946	0.015525 0.0069	0.014143537
925	0.9110169	0.0276	0.024502607
920	0.8877756	0.043125	0.037270553
910	0.8642447	0.0621	0.052677151
910	0.8485915 0.8482633	0.11009	0.093421438
900 905	0.8677966	0.175	0.151864405
895	0.8853503	0.25704	0.227570441
890	0.8933934	0.3448	0.308042044
885	0.8896747	0.42523	0.378316373
880	0.8801054	0.5034	0.443045058
875	0.8546366	0.58016	0.49582597
870	0.8389021	0.6552	0.549648656
865	0.8469387	0.72848	0.616977904
860	0.8683926	0.8	0.69471408
855	0.8869295	0.86334	0.765721715
850	0.8947368	0.9103	0.814478909
845	0.8973634	0.9172	0.82306171
840	0.9047187	0.9241	0.836050551
835	0.9021834	0.93402	0.842657339
830	0.9103215	0.9448	0.860071753
825	0.9078839	0.95515	0.867165307
820	0.9074529	0.9655	0.876145775
815	0.908576	0.97283	0.88388999
810	0.9074074	0.9793	0.888624067
805	0.902682	0.9862	0.890224988
800	0.906767	. 0.9931	0.900510308
795	0.9062276	0.9938	0.900608989
790	0.9089041	0.9945	
785	0.9108073	0.99543	0.906644911
780	0.9071912	0.9966	0.90410675
775		0.99814	0.905829917
770		1	0.9040498
765		1	0.9046498
760		· 1	0.9075075
755		. 1	0.9099877
750	0.9065244	0.55715	0.9065244
745		0.99719	0.898638011
740		0.9931	0.895609856
735		0.9828	0.888878423 0.89433762
730		0.9802 0.9828	0.888382216
725		0.9793	0.883698775
720		0.97304	0.874981699
710 715	0.8985607 0.8992248	0.9655	0.867560356
705		0.9586	0.859652254
			0.85653
695 700		0.9448 0.9517	

F-16 CANOPY (TEXSTARS, A/C TYPE, S/N# 138, MFG 1/12/88) @ DESIGN EYE Tnvg = 78%



	CDECTD 4	DEV ACTIVE	
	SPECTRA-	RELATIVE	<u>NVG</u>
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm	Account to the second s	"NVIS A"	RESPONSE
450	0.6893004	0.0001	6.893E-05
455	0.6841085	0.0001125	7.69622E-05
460	0.6684685	0.000123	8.22216E-05
465	0.6706081	0.0001375	9.22086E-05
470	0.6749175	0.00015	0.000101238
475	0.675633	0.00016172	0.000109263
480	0.680916	0.000175	0.00011916
485	0.6889881	0.00019375	0.00013349
490	0.6886396	0.0002125	0.000146336
495	0.6914063	0.00022266	0.000153949
500	0.699115	0.0002375	0.00016604
505	0.702046	0.00027656	0.000194158
510	0.7106599	0.0003125	0.000222081
515	0.7170036	0.00034279	0.000245782
520	0.7106711	0.000375	0.000246762
525	0.7156348	0.00041875	0.000299672
530	0.7191489	0.0004625	0.000332606
535	0.7232237	0.00050703	0.000366696
540	0.7328482	. 0.00055	0.000403067
545	0.7317073	0.00058359	0.000427017
550	0.7350187	0.000625	0.000459387
555	0.739011.	0.0007	0.000517308
560	0.7423699	0.000775	0.000575337
565	0.7478261	0.00085	0.000635652
570	0.7514694	0.000925	0.000695109
575	0.7506133	0.0014525	0.001090266
580	0.7518131	0.00198	0.00148859
585	0.755004	0.0047175	0.003561731
590	0.7570093	. 0.0078	0.005904673
595	0.7594752	0.0114	0.008658017
600	0.7630137	0.015	0.011445206
605	0.760582	0.026263	0.019975165
610	0.7625995	0.052	0.039655174
615	0.765884	0.088388	0.067694955
620	0.7681366	0.175	0.134423905
625	0.7697274	0.43288	0.333199597
630	0.7729503	0.6138	0.474436894
635	0.770436	0.67756	0.522016616
640	0.7731481	0.7448	0.575840705
645	0.7717602	0.82458	0.636378026
650	0.7789203	0.8897	0.693005391
655	0.7723833	0.89654	0.692472524
660	0.7792032	0.9034	0.703932171
665	0.7769572	0.91051	0.7074273
670	0.8019803	0.9172	0.735576331
675	0.7806638	0.92241	0.720092096
680	0.7797297	0.9276	0.72327727
685	0.7731708	0.93254	0.721012698
690	0.7838676	0.9379	0.735189422

			TRANSMISSION COEFFICIENT)
	Tnvg(SUM/NVG)	0.780862651	(SPECTRAL
	SUM	38.02685612	
300			
950		0	0
945		0	0
940		0	0
935		0.0009	0.003303317
925		0.019329	0.005383517
920 925		0.0276	0.012301589
915		0.043125	0.03273542
910		0.0621	0.045297808
905		0.11009	0.081210751
900		0.175 0.11009	0.132584743 0.081210751
895		0.25704	0.199328762 0.132584743
890		0.3448	0.266624634
885		0.42523	0.328996922
880		0.5034	0.386006315
875		0.58016	0.431121421
870		0.6552	0.470680676
865		0.72848	0.53190601
860		0.8	0.60151016
855		0.86334	0.663625457
850		0.9103	0.709618175
845	0.7843691	0.9172	0.719423339
840	0.7903811	0.9241	0.730391175
835	0.7930131	0.93402	0.740690096
830		0.9448	0.745768526
825		0.95515	0.754608139
820		0.9655	0.763859959
815		0.97283	0.773698995
810		0.9793	0.776034827
805		0.9862	0.779135771
800		. 0.9931	0.784026331
795		0.9938	0.787499344
790		0.9945	0.788107238
785		0.99543	0.789344933
780		0.9966	0.78711189
775		0.99814	0.788506744
770		1	0.7899356
765		1	0.7886993
760		<u> </u>	0.7891892
755		. 1	0.7897657
750		1	0.7835633
745		0.99719	0.779986761
740		0.9931	0.774721978
730 735		0.9828	0.77538322
725		0.9828	0.77088375
720		0.9793	0.772241944
715		0.97304 0.9793	0.758066078 0.769712662
710		0.9655	0.752415019
705		0.9586	0.745967662
700		0.9517	0.743987668
695		0.9448	0.739035882

Aircraft: F – 16

Part Name: Canopy, Left Side, TEXSTARS

Manufactured: N/A

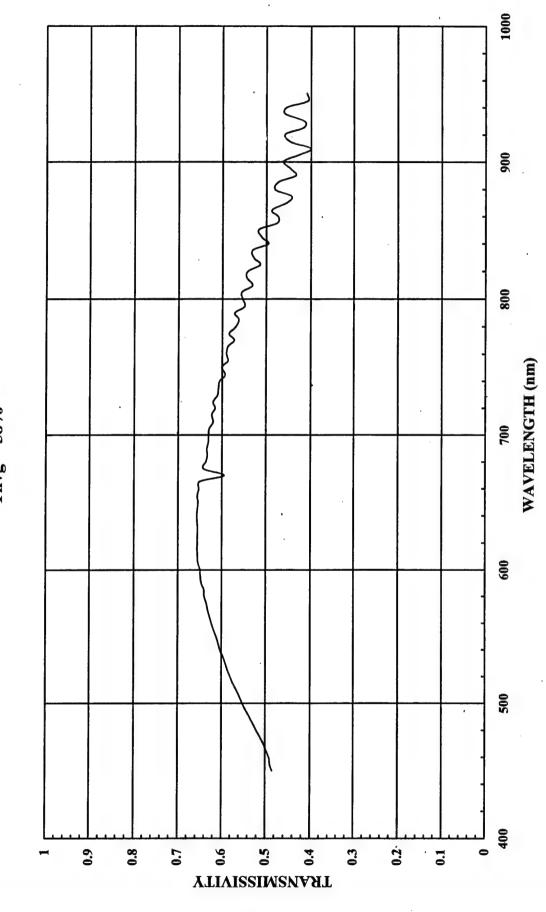
S/N# 0501

Material Type: N/A

Construction: N/A

Coating: Gold Coat

F-16 CANOPY (TEXSTARS, LEFT SIDE, GOLD COAT, S/N# 0501) @ NORMAL Tnvg = 58%



	SPECTRA-	RELATIVE	NVC
	RADIOMETRIC	SPECTRAL SENSITIVITY	NVG
WAVELENGTH(nm)	READING	"NVIS A"	SPECTRAL
450			RESPONSE
455		0.0001	4.84685E-05
460			5.51001E-0
465		0.000,120	6.04262E-0
470		0.0001375	6.84929E-0
475		0.000.0	7.55443E-0
480	0.5206392		8.26669E-0
485	0.527922		9.11119E-0
490	0.5350554	0.000.00.0	0.00010228
495	0.5450399	0.0002125	0.000113699
500	0.5521811	0.00022266	0.000121359
505		0.0002375	0.00013114
510		0.00027656	0.00015432
515	0.5649278 0.5737363	0.0003125	0.00017654
520		0.00034279	0.00019667
525		0.000375	0.00021746
530	0.5859051 0.591628	0.00041875	0.000245348
535	0.591628	0.0004625	0.000273628
540		0.00050703	0.000302414
545	0.6031022	0.00055	0.00033170
550		0.00058359	0.00035501
555	0.6124638	0.000625	0.00038279
		0.0007	0.000432768
560	0.6229249	0.000775	0.00048276
565	0.6282101	0.00085	0.000533979
570	0.6320475	0.000925	0.00058464
575	0.6349207	0.0014525	0.00092222
580	0.6404855	0.00198	0.00126816
585 590	0.6406804	0.0047175	0.0030224
595	0.6468556	0.0078	0.00504547
600	0.6491115	0.0114	0.00739987
605	0.6497415	0.015	0.00974612
610	0.6546361	0.026263	0.01719270
615		0.052	0.034099619
	0.6567394	0.088388	0.058047882
620 625	0.6562995	0.175	0.114852413
	0.6564201	0.43288	0.284151133
630 635	0.6561128	0.6138	0.402722037
	0.6570817	0.67756	0.44521227
640	0.6578556	0.7448	0.48997085
645	0.6566948	0.82458	0.541497398
650	0.654954	0.8897	0.582712574
655	0.6566316	0.89654	0.588696495
660	0.6529555	0.9034	0.589879999
665	0.6508895	0.91051	0.59264139
670	0.5942983	0.9172	0.54509040
675	0.6418605	0.92241	0.592058544
680	0.6369308	0.9276	0.59081701
685	0.6337633	0.93254	0.591009628
690	0.6348074	0.9379	0.59538586

			COEFFICIENT)
		0.0.00.0002	TRANSMISSION
	Tnvg(SUM/NVG)	0.579546532	(SPECTRAL
	SUM	28.22305892	
930	0.7034333	U	
945		0	
940 945		0	(
935		0	
930		0.0069	0.002861324
925		0.015525	0.006502055
920		0.0276	
915		0.043125	0.019227212
910		0.0621	0.02487195
905		0.11009	0.047207462
900		0.175	
895		0.25704	0.114431689
890		0.3448	
885		0.42523	0.201187114
880		0.5034	0.24178080
875		0.58016	0.25773538
870		0.6552	0.29698492
865		0.72848	0.35556300
860		0.80334	0.3789899
850 855		0.86334	0.41151014
. 845 850		0.9172	0.47072860
. 845		0.9241	0.45796446 0.46808274
835 840		0.93402 0.9241	0.49591287
830		0.9448	0.49909759
. 825		0.95515	0.4912094
820		0.9655	0.52276495
815		0.97283	0.52983843
810		0.9793	
805		0.9862	0.54773271
800		0.9931	0.5504177
795		, 0.9938	0.54545428
790		0.9945	
785		0.99543	
780		0.9966	0.56798835
775		0.99814	0.5833000
770	0.5724697	1	0.572469
765		1	
760		1	
755		1	
750		1	0.601036
745		0.99719	
740		0.9931	0.60199606
735		0.98838	
725 730		0.9802 0.9828	
. 720		0.9793	
715		0.97304	
710		0.9655	
705		0.9586	
700		0.9517	
695		0.9448	

Aircraft: F-16

Part Name: Canopy, 'A/B TYPE', SIERRACIN

Manufactured: 6/85

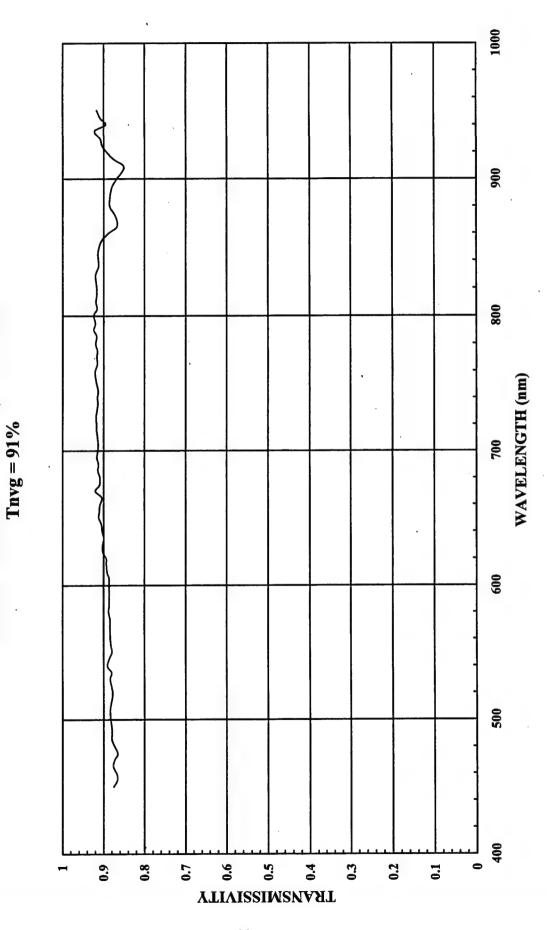
S/N# 0214

Material Type: Acrylic/Silicone/Polycarbonate

Construction: N/A

Coating: Clear Coat

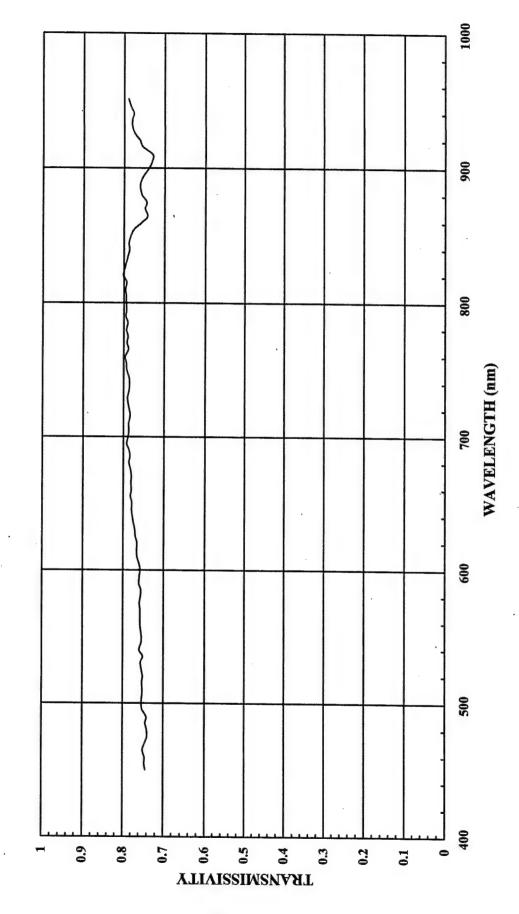
F-16 CANOPY (SIERRACIN, A/B, ACRYLIC/SILICONE/POLYCARBONATE, CLEAR-COAT, S/N# 0214) @ NORMAL



CLEAR-COAT, S/N# 02	214 @ NORMAL		
02201111 001111 01	I (B) I (OI (MAL)		
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450			8.75776E-0
455			9.75586E-0
460			
465			
470			
475			0.00013102
480			
485	0.88006		
490			0.00018695
. 495	0.8809524		0.00019615
500			0.0002097
505	0.883721	0.00027656	
510	0.8831835		
515	0.8798077		0.00030158
520	0.8780488		0.00032926
525		0.00041875	
530		0.0004625	0.00040890
535	and and delicated the second s	0.00050703	0.00044644
540			0.00048978
545			0.00051720
550		0.000625	0.00054969
555		0.0007	0.00061760
560			0.00068498
565		0.00085	0.00075149
570		0.000925	0.0008183
575		0.0014525	
580			0.00175838
585	0.8864558		0.00418185
590			0.00691895
595		0.0114	0.01010223
600	0.8867403		0.01330110
605	0.8865154		0.02328255
610		0.052	0.04636608
615			0.07895994
620	0.8939394	0.175	0.15643939
625		0.10200	
630 635	······································	0.6138	
640	The state of the s	0.67756	0.60943073
645	0.9034852 0.905599		0.67291577
650	0.905599		0.74673882
655	0.9104286		0.81102694
660	0.909153	0.0000	0.81623565
665	0.9043348	0.9034	0.8213288
670		0.91051 0.9172	0.82340587
675			0.84382
680		0.92241 0.9276	0.83928582
685		0.9276	0.84350100
690		0.93254	0.85224746
695		0.9379	0.85566239
700	0.914194	0.9446	0.86584977
705			0.8700384 0.87558284
710	0.9148789		0.88331557
715		0.9633	0.89221842
720			

	Tnvg(SUM/NVG):	0.910695499	(SPECTRAL TRANSMISSION
			(SPECTRAL
	SUM:	44.34952378	
	CYTE C		
950	0.9168975	0	0
94		0	0
. 94		0	. 0
93		0	0
93		0.0069	0.006269933
92		0.015525	0.01404172
92		0.0276	0.02466503
91	5 0.8762089	0.043125	0.037786509
91	0.8518518	0.0621	0.052899997
90	5 0.855615	0.11009	0.094194655
90	0.8679246	0.175	0.151886805
89		0.25704	0.225996508
89		0.3448	0.304670142
88		0.42523	0.376562767
88		0.5034	0.445676834
87		0.58016	0.50837251
87		0.6552	0.569324312
86		0.72848	0.632407475
86		0.80004	0.71072208
85		0.86334	0.780170055
85		0.9103	0.828794287
84		0.9172	0.838282278
84		0.9241	0.84355914
83		0.93402	0.852334534
83		0.9448	0.868892973
82		0.95515	
82		0.9655	
81		0.97283	
81		0.9793	
80		0.9862	
80		0.9931	0.91804885
79		0.9938	
79		0.9945	
78		0.99543	
78		0.9966	
77		0.99814	
77			
76		1	
76		1	
	0.9198757	1	
	0.9170886	0.39713	
74		0.99719	
74		0.9833	
	0.9140674	0.98838	
	0.916614	0.9828	
7:	0.9182389	0.9802	0.9000577

F-16 CANOPY (SIERRACIN, A/B, ACRYLIC/SILICONE/POLYCARBONATE, CLEAR-COAT, S/N# 0214) @ DESIGN EYE Tnvg = 78%



CLEAR-COAT, S/N# 02	14 (a) DESIGN EYE		
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.7432712	0.0001	7.43271E-0
455	0.7460938	0.0001125	8.39356E-0
460	0.7454212		9.16868E-0
465	0.75		0.00010312
470	0.7453626	0.00015	0.00011180
475	0.7396166		0.0001196
480	0.74		0.000129
485	0.7436282	0.00019375	
490	0.7411599		0.00015749
495	0.7513227	0.00022266	0.0001672
500	0.7532134	0.0002375	0.00017888
505	0.751938		0.0002079
510	0.7509627	0.0003125	0.0002346
515	0.7524038	0.00034279	0.0002579
520	0.7505543		0.0002814
525	0.7531915		0.00031539
530	0.7553648	0.0004625	0.0003493
535	0.7502691	0.00050703	0.00038040
540	0.7589473	0.00055	0.00041742
545	0.7537092		0.0004398
550	0.7533207	0.000625	0.00047082
5 55	0.755329		0.000528
. 560	0.7568058		0.00058652
565	0.7568042		0.00064328
570	0.7567796		0.00070002
575	0.7587065		0.00110202
580	0.7557189		0.00149632
585	0.755069		0.00356203
590	0.7598736		0.0059270
595	0.7589285		0.00865178
600	0.7569061	0.015	0.01135359
605	0.7596796	0.026263	0.01995146
610	0.7644683		0.03975235
. 615	0.765614		0.0676710
620	0.7647908	4	
625	0.7692868 0.7705966		
630			
635	0.7741047 0.7768096		0.578567
640 645	0.7787958		0.64217944
650	0.7782835		0.6924388
655	0.7824696		0.70151529
660	0.7800547		0.7047014
665	0.7810165		0.71112333
670	0.7810103		0.711233
675	0.7819768		0.7213032
680	0.7861975		
685	0.7835178		0.73066168
690	0.7860126		
695	0.7915518		
700	0.7882919		0.75021740
705	0.7868246		
710			

		0.7296296 0.7539063 0.7607362 0.7728238 0.77951 0.7801418 0.7756097		0.045309998 0.032512209 0.020996319 0.011998089 0.005378619 0 0 0 (SPECTRAL TRANSMISSION COEFFICIENT)
· .	910 915 920 925 930 935 940 945 950	0.7296296 0.7539063 0.7607362 0.7728238 0.77951 0.7801418 0.7756097 0.7831632 0.7894737	0.0621 0.043125 0.0276 0.015525 0.0069 0 0 38.16610262 0.783722009	0.045309998 0.032512209 0.020996319 0.011998089 0.005378619 0 0 0 (SPECTRAL
· .	910 915 920 925 930 935 940 945 950	0.7296296 0.7539063 0.7607362 0.7728238 0.77951 0.7801418 0.7756097 0.7831632 0.7894737	0.0621 0.043125 0.0276 0.015525 0.0069 0 0 0	0.045309998 0.032512209 0.020996319 0.011998089 0.005378619 0 0
· .	910 915 920 925 930 935 940 945	0.7296296 0.7539063 0.7607362 0.7728238 0.77951 0.7801418 0.7756097 0.7831632 0.7894737	0.0621 0.043125 0.0276 0.015525 0.0069 0 0	0.045309998 0.032512209 0.020996319 0.011998089 0.005378619 0
	910 915 920 925 930 935 940 945	0.7296296 0.7539063 0.7607362 0.7728238 0.77951 0.7801418 0.7756097 0.7831632	0.0621 0.043125 0.0276 0.015525 0.0069 0	0.045309998 0.032512209 0.020996319 0.011998089 0.005378619 0
	910 915 920 925 930 935 940 945	0.7296296 0.7539063 0.7607362 0.7728238 0.77951 0.7801418 0.7756097 0.7831632	0.0621 0.043125 0.0276 0.015525 0.0069 0	0.045309998 0.032512209 0.020996319 0.011998089 0.005378619 0
	910 915 920 925 930 935 940	0.7296296 0.7539063 0.7607362 0.7728238 0.77951 0.7801418 0.7756097	0.0621 0.043125 0.0276 0.015525 0.0069 0	0.045309998 0.032512209 0.020996319 0.011998089 0.005378619 0
	910 915 920 925 930 935	0.7296296 0.7539063 0.7607362 0.7728238 0.77951 0.7801418	0.0621 0.043125 0.0276 0.015525 0.0069	0.045309998 0.032512209 0.020996319 0.011998089 0.005378619
,	910 915 920 925 930	0.7296296 0.7539063 0.7607362 0.7728238 0.77951	0.0621 0.043125 0.0276 0.015525 0.0069	0.045309998 0.032512209 0.020996319 0.011998089
ı	910 915 920 925	0.7296296 0.7539063 0.7607362 0.7728238	0.0621 0.043125 0.0276 0.015525	0.045309998 0.032512209 0.020996319 0.011998089
	910 915 920	0.7296296 0.7539063 0.7607362	0.0621 0.043125 0.0276	0.045309998 0.032512209 0.020996319
	910 915	0.7296296 0.7539063	0.0621 0.043125	0.045309998 0.032512209
	910	0.7296296	0.0621	0.045309998
		U /3U83/8	0.44000	0.080457933
P		0.7375643 0.7308378	0.175	0.129073753
	900	0.7504026	0.25704	0.192883484
	895	0.7580398	0.3448	0.261372123
	890	0.7596567	. 0.42523	0.323028819
	885	0.7546667	0.5034	0.379899217
	880	0.7436869	0.58016	0.431457392
	870 875	0.7475728	0.6552	0.489809699
	865		0.72848	0.540512054
	860	0.7560175	0.8	0.604814
,	855	0.773822	0.86334	0.668071485
	850	0.7826962	0.9103	0.712488351
	845	0.7877629	0.9172	0.722536132
	840	0.7862385	0.9241	0.726562998
	835	0.7897527	0.93402	0.737644817
	830	0.7948717	0.9448	0.750994782
	825		0.95515	0.762832553
	820		0.9655	0.774002537
	815		0.97283	0.771910836
	810		0.9793	0.779926174
	805		0.9862	0.783136292
	800		0.9931	0.788415238
	795		0.9938	0.788558735
	790		0.9945	0.791032361
	785		0.99543	0.786520699
	780		. 0.9966	0.790557136
	775		0.99814	. 0.788068461
	770		1	0.7921847
	765		1	0.7883818
	760		1	0.7964762
	755		1	0.7931677
	750		1	0.7924051
	745	0.7866054	0.99719	0.784395039
	740	0.7851459	0.9931	0.779728393
	735	0.7861235	0.98838	0.776988745
	730	0.7902717	0.9828	0.776679027
	725		0.9802	0.773063352
	720		0.9793	0.769405652
	715	0.7835186	0.97304	0.762394939

Aircraft: F-16

Part Name: Canopy, 'B/D TYPE', SIERRACIN

Manufactured: 3/86

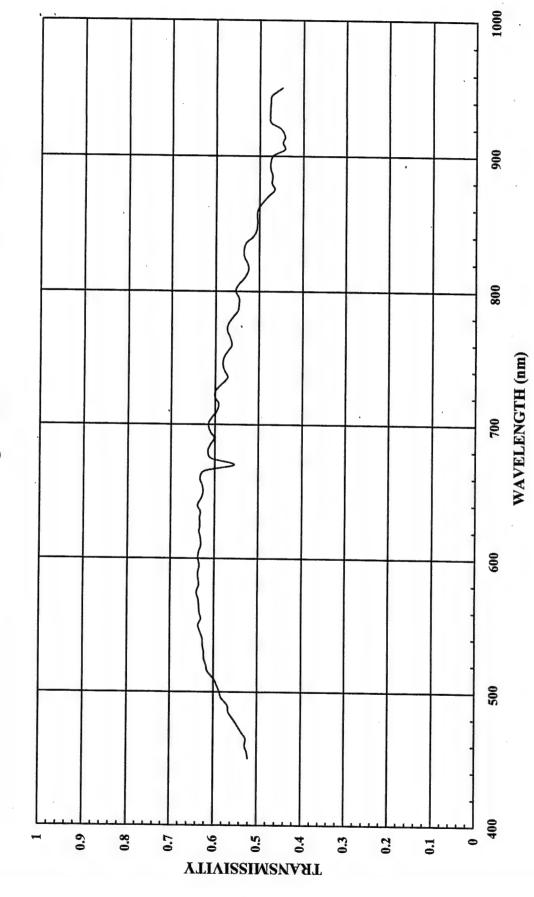
S/N# 077

Material Type: N/A

Construction: N/A

Coating: Gold Coat

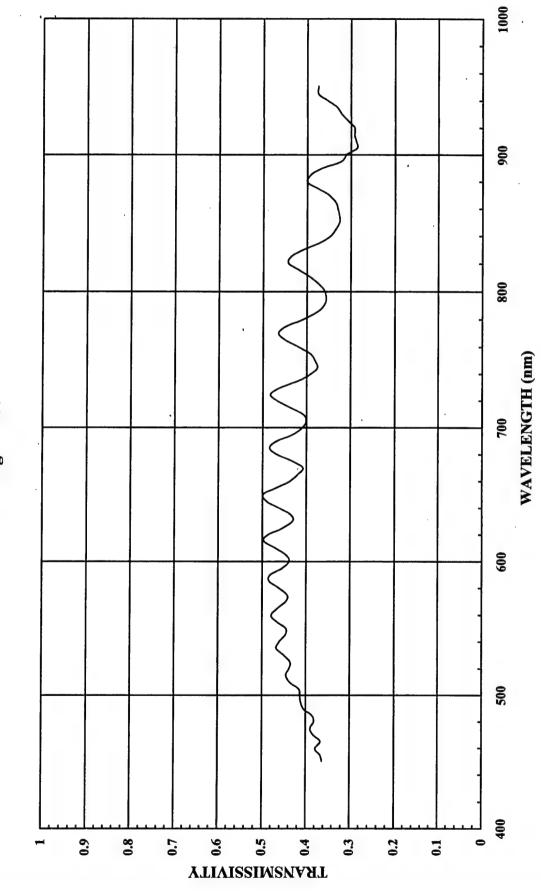
F-16 CANOPY (SIERRACIN, B/D, GOLD COAT, S//N#077) @ NORMAL Three = 57%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.5207101	0.0001	5.2071E-0
455	0.5229358	0.0001125	5.88303E-0
460	0.5277778	0.000123	6.49167E-0
465	0.5260586	0.0001375	7.23331E-0
470	0.5356577	0.00015	8.03487E-0
475	0.5449011	0.00016172	8.81214E-0
480	0.5560408	0.000175	9.73071E-0
485	0.5657709	. 0.00019375	0.00010961
490	0.5677853	0.0002125	0.00012065
495	0.5817728	0.00022266	0.00012953
500	0.5865384	0.0002375	0.00013930
505	0.5927273	0.00027656	0.00016392
510	0.5992736	0.0003125	0.00018727
515	0.613455	0.00034279	0.00021028
520	0.6170886	0.000375	0.00023140
525	0.6218402	0.00041875	0.00026039
530	0.6224697	0.0004625	0.00028789
535	0.6251277	0.00050703	0.00031695
540	0.6253746	0.00055	0.00034395
545	0.6317757	0.00058359	0.00036869
550	0.6357079	0.000625	0.00039731
555	0.6294996	0.0007	0.0004406
560	0.6333046	0.000775	0.00049081
565	0.6342477	0.00085	0.00053911
570	0.6359968	0.000925	0.00058829
575	0.6401575	0.0014525	0.00092982
580	0.6346004	0.00198	0.00125650
585	0.6362935	0.0047175	0.00300171
<u>590</u>	0.6371814	. 0.0078	0.00497001
595	0.6337126	0.0114	0.00722432
600 605	0.6370861	0.015	0.00955629
610	0.6358418 0.6311423	0.026263 0.052	0.01669911
615	0.6318243	0.088388	0.032819 0.05584568
620	0.6348006	0.000300	0.11109010
625	0.6332873	0.43288	0.27413740
630	0.6338983	0.6138	0.38908677
635	0.6324111	0.67756	0.42849646
640	0.6389245	0.7448	0.475870968
645	0.6300434	0.82458	0.51952118
650	0.626087	0.8897	0.557029604
655	0.6283619	0.89654	0.563351578
660	0.6335078	0.9034	0.57231094
665	0.623741	0.91051	0.567922418
670	0.5550458	0.9172	0.509088008
675	0.6081461	0.92241	0.560960044
680	0.615894	0.9276	0.571303274
685	0.6100479	0.93254	0.568894069
690	0.6012146	0.9379	0.563879173
695	0.6106195	0.9448	0.576913304
700	0.6150855	0.9517	0.5853768
705	0.6080114	0.9586	0.582839728
710	0.5965379	0.9655	0.575957342
715	0.5919396	0.97304	0.575980908

			COEFFICIENT)
			TRANSMISSION
	Invg(SUMMVG):	0.566983588	(SPECTRAL
	Tnvg(SUM/NVG):	27.61126211	(CIVI) CIVII)
	SUM:	27 64420044	
930	0.4485488	0	0
945		0	0
940 945		0	0
935		0	0
930		0.0069	0.003287125
925		0.015525	0.007377582
920	0.4522417	0.0276	0.012481871
915		0.043125	0.019113129
910		0.0621	0.027822582
905	0.443299	0.11009	0.048802787
900		0.175	0.08211315
895	0.4758943	0.25704	0.122323871
890		0.3448	0.16378
885		0.42523	0.200246803
880		0.5034	0.23777062
875		0.58016	0.270269625
870		0.6552	0.313822454
865	0,4944568	0.72848	0.36020189
. 860	0.5036881	0.8	0.40295048
855		0.86334	0.436004053
850		0.9103	0.459107802
845	0.5064456	0.9172	0.464511904
840		0.9241	0.475555444
835		0.93402	0.495700012
830	0.5354785	0.9448	0.505920087
825	0.5340356	0.95515	0.510084103
820	0.5268645	0.9655	0.508687675
815	0.5248227	0.97283	0.510563267
810	0.5338855	0.9793	0.52283407
805	0.5474944	0.9862	0.539938977
800	0.5542522	0.9931	0.55042786
795		0.9938	0.543082979
790		0.9945	0.543721991
785		0.99543	0.546856492
780		0.9966	0.571109756 0.558626889
775		0.99814	0.5728155
770		1	
765			0.566667
760		1	0.5717703
755		1	0.580842
750		0.93713	0.580842
745		0.99719	0.581327168
740		0.9931	0.574452637
735		0.98838	0.576822028 0.565305127
730		0.9828	0.587883674
725		0.9802	
720		0.9793	0.58769957

F-16 CANOPY (SIERRACIN, B/D, GOLD COAT, S/N# 077) @ DESIGN EYE Tnvg = 41%



	SPECTRA-	RELATIVE	NVC
	RADIOMETRIC		NVG
VAVELENGTH(nm)	READING	SPECTRAL SENSITIVITY "NVIS A"	SPECTRAL
450			RESPONSE
455		0.0001	3.62919E-0
460			
465			
470			
475			
480			
485			
490		0.00019375	
495		0.0002125	
500			
505			
510		0.00027030	
515		0.0003123	
520			
525			
530		0.00041673	
535		0.00050703	
540		0.00055	
545			
550		0.000625	
555		0.0007	
560	0.4797239	0.000775	
565	0.4638404	0.00085	
570	0.4463277	0.000925	
575		0.0014525	
580		0.00198	
585		0.0047175	
590		0.0078	
595		0.0114	
600		0.015	0.00658609
605		0.026263	0.01172455
610		0.052	0.02439055
615		0.088388	
620		0.175	
625	VANDAGE CONTRACTOR OF THE PROPERTY OF THE PROP	0.43288	
630		0.6138	
635		0.67756	
640			
645 650		0.82458	
655			0.44374481
660		0.89654	
665		0.9034	
670	0.4194245	0.91051	
675		0.9172	
680	0.4311798	0.92241	0.39772455
685		0.9276	
690		0.93254	
695	0.4686235 0.4327434	0.9379	
700	0.4090202	0.9448	
705		0.9517	0.38926452
710		0.9586	
715		0.9655	
720		0.97304	
725		0.9793	
730		0.9802 0.9828	
735		0.9828	

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.411148735	(SPECTRAL
	SUM:	20.02233525	
950	0.3746702	0	0
945	0.3743719	0	
940	0.353222	0	
935		0	
930		0.0069	0.002206223
925		0.015525	
920		0.0276	
915		0.043125	
910		0.0621	0.031303401
905		0.11009	
900		0.23704	0.05314025
895		0.3446	
890		0.42525	0.126257657
885		0.5054	0.201469575
875 880		0.5034	0.201489575
		0.58016	
870		0.72846	
865		0.72848	
860		0.80334	0.26385672
850 855		0.86334	0.281712331
845 850		0.91/2	0.307422418
840		0.9241	0.320038193
835		0.93402	0.345077332
830		0.9448	
		0.93515	0.388989466
820 825		0.95515	
815		0.97283	0.407070693
810		0.9793	0.361965954
805		0.9862	0.381985954
800		0.9931 0.9862	0.357486902 0.366597956
795		0.9938	0.354184457
790		0.9945	
785		0.99543	0.375491327
780		0.9966	0.411067602
775		0.99814	
770		1	0.4654483
765	0.4511494		0.4511494
760 705		1	0.4177363
755		1	0.3923445
750		1	0.3819402
745		0.99719	
740		0.9931	0.388879786
	2 22 4 7 2 4 7	0.0004	0.000070707

Aircraft: F-16

Part Name: Canopy, Left Side, A/C, TEXSTARS

Manufactured: 11/92

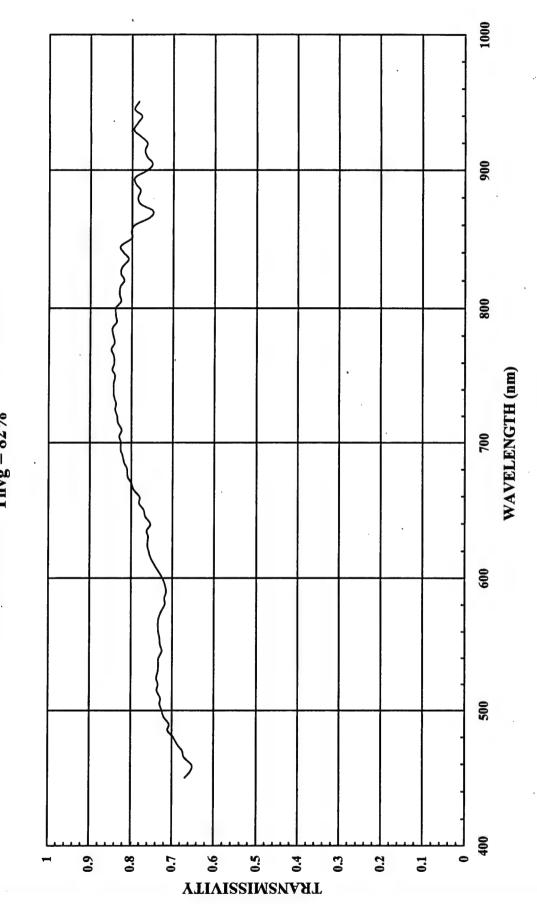
S/N# 010

Material Type: 2-3 Ply, Polycarbonate

Construction: N/A

Coating: Gold Coat

F-16 CANOPY (TEXSTARS, A/C, GOLD COAT, LEFT SIDE, 2-3 PLY POLYCARBONATE, S/N# 010) @ NORMAL Tnvg = 82%



<u>2-3 PLY POLYCARBONAT</u>	E, S/N# 010 @ NORMAL		
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	
450			RESPONSE
455			6.68561E-0
460			
465			
470			
475			
480			
485			
490			
495	0.7206771	0.00022266	
500	0.7249417	0.0002375	
. 505		0.00027656	
510			
515		0.00034279	
520		0.000375	
525		0.00041875	
530		0.0004625	
535			0.00037212
540			
545			0.00042336
550			
555			0.00051165
560		0.000775	0.00056889
565		0.00085	0.00062475
570			
575			
580			
585			
590			0.00558039
595		3.0.1.1	0.00819423
600 - 605		0.015	0.01087040
610		0,020200	0.01927920
615			0.03865831
620			
625			
630		0.43288	
635			0.10000020
640		0.67756 0.7448	
645			
650			
655			0.68543493
660		0.9034	0.7004388
665	0.7952756	0.9034	0.7049787 0.72410638
670		0.9172	0.72410638
675	0.8092567	0.92241	0.74646647
680		0.9276	0.7404047
685		0.93254	
690	0.8210313		
695	0.8259717		
700	0.8258514		
705	0.8295292		
710			
715	0.8329146		
720	0.8346553		
. 725	0.8395657		
730	0.83769		

			AL INITEENDEDING
			TRANSMISSION
	Tnvg(SUM/NVG):	0.815722589	(SPECTRAL
	SUM:	39.72448355	
330	0.7007000	U	
950	0.7837839	0	0
. 945	0.7766991	0	0
940	0.7855478	0	0
935	0.785478	0.0069	0.005495843
925	0.7803347 0.796499	0.015525	
920 925	0.7641129	0.0276	
915	0.7695237	0.043125	
910	0.7647059	0.0621	0.047488236
905	0.7517605	0.11009	
900	0.7614213	0.175	
895	0.7929936	0.25704	
890	0.7916042	0.3448	
885	0.7802817	0.42523	
880	0.7863696	0.5034	
875	0.7790262	0.58016	0.45195984
870	0.75	0.6552	
865	0.7571266	0.72848	
860	0.7944026	0.8	
855	0.8018481	0.86334	0.692267539
850	0.8007851	0.9103	0.72895467
845	0.8277153	0.9172	0.75918047
840	0.8204668	0.9241	0.7581933
835	0.8080895	0.93402	0.75477175
830	0.8238731	0.9448	0.77839530
825		0.95515	0.78982050
. 820		0.9655	0.79052272
815	0.8285486	0.97283	
810	0.8300455	0.9793	0.81286355
805	0.8265151	0.9862	
800		0.9931	
795	0.8389831	0.9938	
790		0.9945	
785		0.99543	
780		0.9966	
775		0.99814	
770		1	
765		<u></u>	
760		1	
750 755		1	
745		0.99719	
		0.9931	
735 740		0.98838	

Aircraft: F-16

Part Name: Canopy, A/C, left side, TEXSTARS

Manufactured: N/A

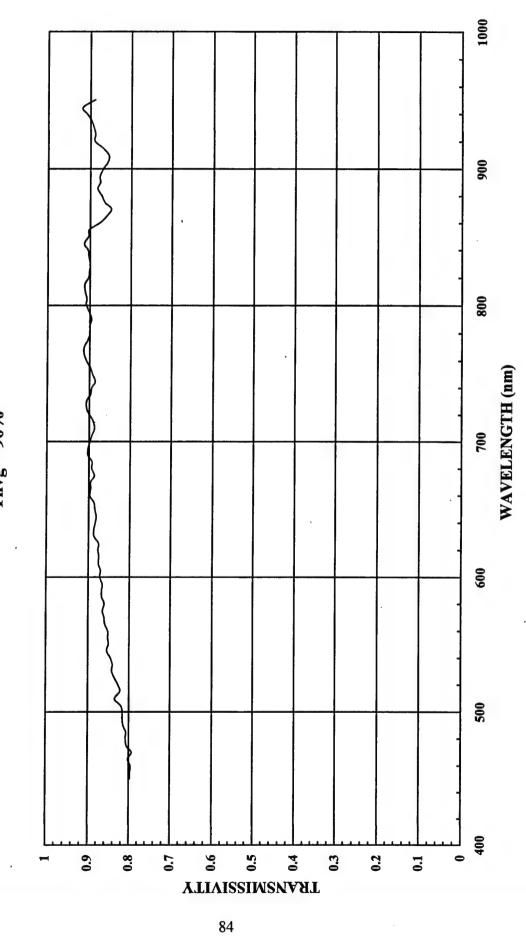
S/N# 130

Material Type: N/A

Construction: N/A

Coating: Gold Coat

F-16 CANOPY (TEXSTARS, A/C, GOLD COAT, LEFT SIDE, S/N# 130) a NORMAL Trivg = 90%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450		0.0001	7.96905E-05
455		0.0001125	8.971E-05
460		0.000123	9.78505E-0
465	0.8026101	0.0001375	0.00011035
470		0.00015	0.00011896
475		0.00016172	0.00011030
480		0.000175	0.00014152
485	0.8075843	0.00019375	0.00015646
490		0.0002125	0.00017293
495		0.00022266	0.00017233
500		0.0002375	0.00010102
505	0.8202654	0.00027656	0.00022685
510	0.8351383	0.0003125	0.00022003
515	0.8226712	0.00034279	0.00020098
520		0.000375	0.00031002
525	0.835	0.00041875	0.00034965
530	0.8427419	0.0004625	0.00038976
535	0.8407708	0.00050703	0.00042629
540	0.8455446	0.00055	0.0004650
545	0.8547485	0.00058359	0.00049882
550	0.8506262	0.000625	0.00053164
555	0.8525022	0.0007	0.00059675
560	0.8522337	0.000775	0.00066048
565	0.859751	0.00085	0.00073078
570	0.861267	0.000925	0.00079667
575	0.8653093	0.0014525	0.00125686
580	0.8614551	0.00198	0.00170568
585	0.8675904	0.0047175	0.00409285
590	0.867713	0.0078	0.00676816
595	0.8658192	0.0114	0.00987033
600	0.8722003	0.015	0.01308300
605	0.8704762	0.026263	0.022861310
610	0.875959	0.052	0.045549868
615	0.8749999	0.088388	0.07733949
620	0.8774949	0.175	0.153561608
625	0.8758668	0.43288	0.3791452
630	0.8873048	0.6138	0.544627686
635	0.8873426	0.67756	0.601227852
640	0.8841698	0.7448	0.65852966
645	0.8819096	0.82458	0.727205018
650	0.8854102	0.8897	0.78774945
655	0.8871067	0.89654	0.79532664
660	0.8974189	0.9034	0.810728234
665	0.8956966	0.91051	0.81554071
670	0.8962264	0.9172	0.822018854
675	0.8870056	0.92241	0.81818283
680	0.893617	0.9276	0.82891912
685	0.8924731	0.93254	0.83226686
690	0.9024641	0.9379	0.846421079
695	0.9025916	0.9448	0.85276854
700	0.8977987	0.9517	0.85443502
705	0.8931686	0.9586	0.85619142
710	0.8873048	0.9655	0.856692784
715	0.890595	0.97304	0.866584559

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG)	0.895656862	(SPECTRAL
	SUM	43.61716444	•
950	0.8882834	0	. 0
945		0	0
940		0	0
935		0	0
930		0.0069	0.006150333
925		0.015525	0.013792738
920		0.0276	0.024564563
915		0.043125	0.037441858
910		0.0621	0.053145503
905		0.11009	0.094475803
900		0.175	0.151965818
895		0.25704	0.225531883
890		0.42323	0.375274617
885		0.42523	0.375274617
880		0.5034	0.501481776
875		0.58016	0.501481776
870		0.72648	0.556644095
865		0.72848	0.627971396
860		0.80334	0.70260872
855		0.86334	0.822000809
850		0.9172	0.822000809
845		. 0.9241	0.838282278
840		0.93402	0.836251358
835		0.93402	0.843418379
830		0.93515	0.850159667
825		0.95515	0.861148626
820		0.97265	0.872268424
815		0.9793	0.887549485
810		0.9602	0.892335124
805		0.9862	0.895096126
800		0.9931	0.902477738
795		0.9945	0.895135039
790		0.9945	0.890963102
785		0.99543	0.896211212
780		0.9966	0.896633247
775		0.99814	0.903304822
770		1	0.9132981
765		1	0.9136817
760		. 1	0.8981707
755		1	0.8928349 0.8981707
745			0.883463971
745		. 0.99719	0.888631044
735		0.98838 0.9931	0.886834135
730		0.9828	0.890909674
725		0.9802	0.88830625
720		0.9793	
700	0.0000000	0.0700	

Aircraft: F-16

Part Name: Canopy, A/D, CFWD, TEXSTARS

Manufactured: N/A

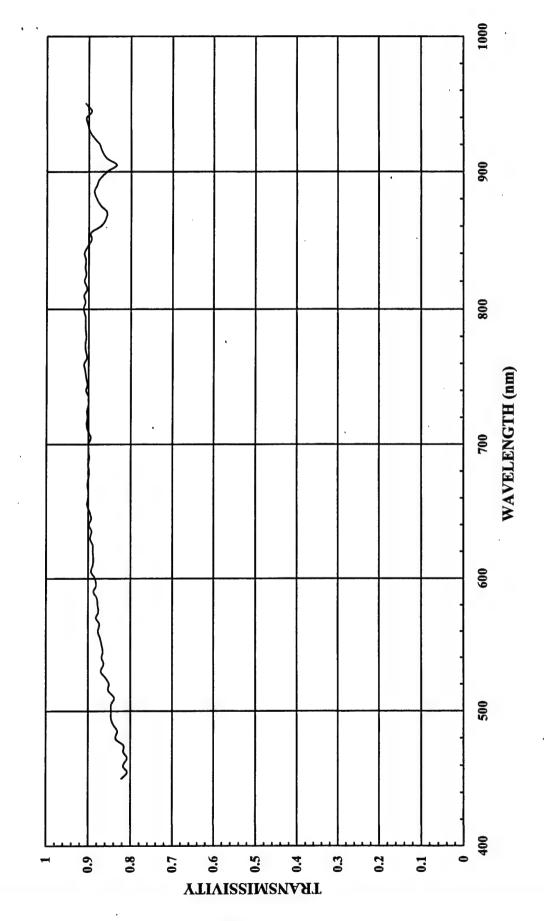
S/N# 3843

Material Type: N/A

Construction: N/A

Coating: Non-Solar

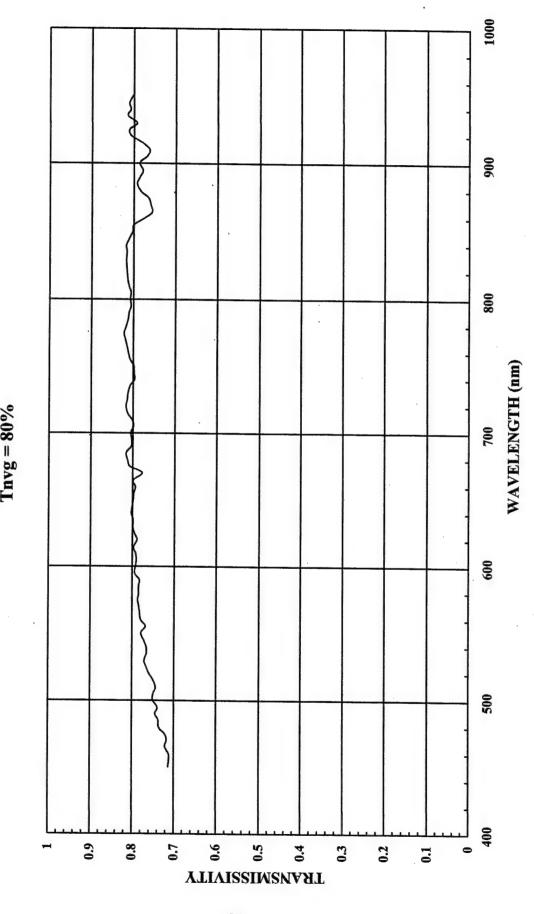
F-16 CANOPY (TEXSTARS, A/D, NON-SOLAR, CFWD, S/N# 3843) @ NORMAL Tnvg = 90%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450			
455			8.21244E-0
460		0.00020	9.09173E-0
465		0.000.20	0.00010058
470			0.0001111
475		0.00013	0.00012253° 0.00013205
480		0.000172	0.00013203
485			
490			0.000161039 0.000178634
495		7.7002120	
500			0.000188376
505		0.0002375	0.000200962
510			0.000233839
515		0.0003125	0.000262
520		0.00034279	0.00029244
525		0.000375	
530		0.00041875	0.000359811
535			0.000402476
540		0.00050703	
545		0.00055	0.000477536
550		7,444444	0.000505197
		0.000625	0.000542763
555 560		0.0007	0.000610341
			0.000679684
565		0.00085	0.000742333
570		0.000925	0.000815474
575		0.0014525	0.001272084
· 580		0.00198	0.001737931
585		0.0047175	0.004149834
590		0.0078	0.006922892
595		0.0114	0.010050001
600		0.015	0.013270247
605	0.000.000	0.026263	0.023455577
610		0.052	0.04625739
615		0.088388	0.078496207
620	0.8893023	0.175	0.155627903
625		0.43288	0.385007628
630		0.6138	0.54999193
635		0.67756	0.60466552
640		0.7448	0.669613185
645		0.82458	0.73645697
650		0.8897	0.798545253
655		0.89654	0.809511876
660		0.9034	0.813706473
665		0.91051	0.819622801
670		0.9172	0.827717051
675			0.830336325
680	0.8981636	0.9276	0.833136555

685	0.9012346	0.93254	0.840437314	
690		0.9379		
695		0.9448		
700	0.8998967	0.9517	0.856431689	
705	0.8942857	0.9586	0.857262272	
710		0.9655	0.870077704	
715	0.9046392	0.97304	0.880250127	
720		0.9793	0.884034186	
725		0.9802	0.885965434	
730		0.9828		
735		0.98838		
740		0.9931		
745		0.99719		
750				
755		1	1	
760		1		
765		1	0.904321	
770	L	1	0.9075501	
775	0.9080911	0.99814	0.906402051	
780	0.9056911	0.9966		
785		0.99543		
790		0.9945		
795	0.9079697	0.9938	0.902340288	
800		0.9931	0.906400781	
805	0.9080808	0.9862	0.895549285	
810	0.9112903	0.9793	0.892426591	
815	0.9037657	0.97283	0.879210386	
820	0.9102564	0.9655	0.878852554	
825	0.9060475	0.95515		
830	0.9083885	0.9448	0.858245455	
835 840	0.9073226 0.9107143	0.93402 0.9241	0.847457455 0.841591085	
845	0.9034653	0.9241	4	
850	0.8935065	0.9103	0.813358967	
855	0.8955225	0.86334	0.773140395	
860	0.8725212	0.80334	0.69801696	
865	0.8614009	0.72848	0.627513328	
870	0.8573667	0.6552	0.561746662	
875	0.8721311	0.58016	0.505975579	
880	0.8810345	0.5034	0.443512767	
885	0.8876405	0.42523	0.37745137	
890	0.8809524	0.3448	0.303752388	
895	0.874477	0.25704	0.224775568	
900	0.8558758	0.175		
905	0.8348624	0.11009		
· 910	0.8578314	0.0621	0.05327133	
915	0.8696742	0.043125		
920	0.875	0.0276		
925	0.8876712	0.015525		
930	0.8977274	0.0069	0.006194319	
935	0.9027356	0	0	
. 940	0.9056603	0	0	
945	0.8933334	0		
950	0.9071429	0	0	
	SUM	43.82486372		
	Tnvg(SUM/NVG)	0.899921864		
			TRANSMISSION	
		COEFFICIENT)		

F-16 CANOPY (TEXSTARS, A/D, NON-SOLAR, CFWD, S/N# 3843) @ DESIGN EYE Thoug = 80%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.7135416	0.0001	7.13542E-0
455	0.7115384	0.0001125	8.00481E-0
460		0.000123	8.75405E-0
465	0.7210301	0.0001375	9.91416E-0
470	0.7166666	0.00015	0.000107
475	0.7211155	0.00016172	0.00011661
480	0.7354086	0.000175	
485	0.7368422	0.00019375	0.00014276
490			0.00015824
495			0.00016459
500		0.0002375	0.00017822
505		0.00027656	0.00020719
510		0.0003125	0.00023235
515		0.00034279	0.000257093
520	0.7597765	0.000375	0.00028491
525	0.7663044	0.00041875	0.0003208
530	0.7713498	0.0004625	0.00035674
535	0.7658402	0.00050703	0.000388304
540	0.7661823	0.00055	0.0004214
545	0.7718631	0.00058359	0.00045045
550	0.7791262	0.000625	
555	0.768595	0.0007	0.000538017
560	0.7795824	0.000775	
565	0.7826577	0.00085	0.000665259
570	0.7843137	0.000925	0.00072549
575	0.787234	0.0014525	
580	0.7848101	0.00198	0.00155392
585	0.784744	0.0047175	
590	0.7832662	0.0078	0.00610947
595	0.7942583	0.0114 0.015	0.009054545 0.011885020
600	0.7923352 0.7906169		0.02076397
605		0.020203	0.041197182
610 615	0.7922535 0.7972478	0.088388	0.07046713
620	0.7888784	0.08388	0.13805372
625	0.788784	0.43288	0.34433638
630	0.7992566	0.6138	0.49058370
635	0.798574	0.67756	0.54108179
640	0.8031359		
645			
650	0.7986289		0.710540132
655	0.7972973		
660		0.9034	
665	0.7990909	0.91051	
670	0.777778	0.9172	
675	0.8065694	0.92241	0.74398768
680	0.8125	0.9276	
685	0.8160378	0.93254	0.76098789
690	0.8037634	0.9379	
695	0.8028504	0.9448	0.758533058
700	0.8048269	0.9517	0.76595376
705	0.7988395	0.9586	0.76576754
710	0.8018182	0.9655	
715	0.8125	0.97304	
720	0.8171141	0.9793	
725	0.8139535	0.9802	0.79783722

				COEFFICIENT)
			0.000000102	TRANSMISSION
		g(SUM/NVG)		(SPECTRAL
	SUN	1	39.15121004	
		0.0017107	U	
	950	0.8014479	0	
	945	0.8114479	0	
	940	0.8076923	0	
	935	0.8148147		
	930	0.7931035	0.015525	
	925	0.811111	0.0276	7.72227.200
	920	0.8069705	0.043125	
- And All Market and Andrews a	915	0.7783375	0.0621	
	910	0.7628362	0.11009 0.0621	
	905	0.7688679		0.1010100
	900	0.7863636	0.25704	0.200,0000
•	895	0.7787234	0.3448 0.25704	
	890	0.7924328		0100001 110
	885	0.7924528	0.5034	
	880	0.7837371	0.5034	
	875	0.7656766	0.58016	
	870	0.7606972	0.72046	
·	865	0.7567568	0.72848	0.0200.00
	860	0.7761836	0.00334	0,0000
	855	0.8	0.86334	
	850	0.802097	0.9172	
	845	0.8114856	0.9172	
	840	0.8182912	0.9241	
	835	0.8161849	0.93402	02.0020
	830	0.8178771	0.9448	00011020
	825	0.8170866	0.95515	
	820	0.8159311	0.9655	01.020000
	815	0.814499	0.97283	
	810	0.8109756	0.9793	
	805	0.8058943	0.9862	0.002.12.1
	800	0.808	0.9931	
	795	0.8059273	0.9938	
	790	0.81106	0.9945	0.00001112
	785	0.8125545	0.99543	0.01100102
	780	0.8174342	0.99614	0.0000000
	775	0.8222223	0.99814	0.010000
	770	0.8190994	1	0.07.10.0
	765	0.8148437	1	
	760	0.8116058		
>	755	0.7988411 0.8074735	1	
	750	0.7980936	0.99719	0000000
	740 745	0.7965066	0.9931	0.1010101

Aircraft: F-16

Part Name: Canopy, A/C, left side, SIERRACIN

Manufactured: 10/83

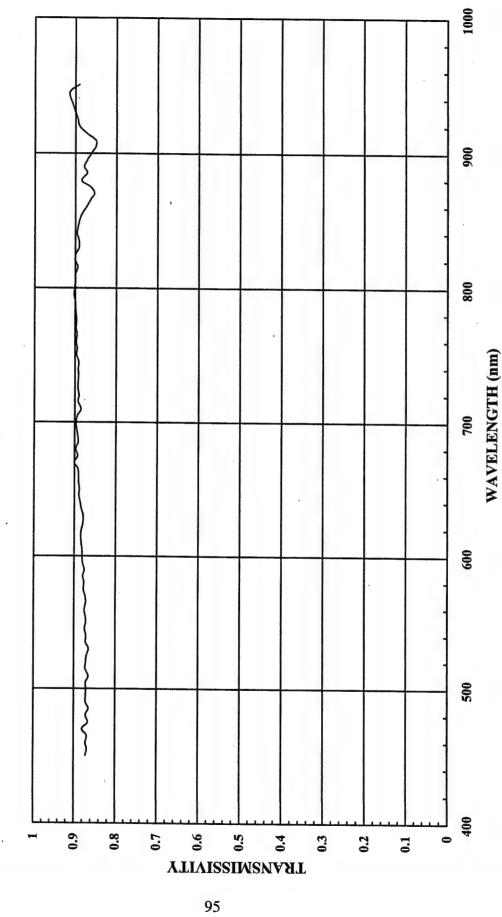
S/N# 635

Material Type: N/A

Construction: N/A

Coating: Clear Coat

F-16 CANOPY(SIERRACIN, LEFT SIDE, A/C, CLEAR COAT, S/N# 635) a NORMAL Trivg = 89%



RADIOMETRIC SPECTRAL SENSITIVITY SPECTRAL RESPONSE	SPECT	RA-	RELATIVE	NVG
Note				
450			And the second s	
480				8.71648E-
465	455	0.8683729		
470				
## 475				
480				
495				
490 0.8716578 0.0002125 0.00				
495				
500				
505 0.8715487 0.0027656 0.00				
510 0.864994 0.003125 0.00 515 0.8728717 0.00034279 0.00 520 0.8713389 0.000375 0.00 525 0.8697813 0.00041875 0.00 530 0.8648649 0.0004625 0.00 535 0.8719512 0.00050703 0.00 540 0.8706811 0.00055 0.00 545 0.8741845 0.0005399 0.00 550 0.8711986 0.000625 0.00 555 0.8729185 0.0007 0.00 560 0.8751076 0.00075 0.00 565 0.8717735 0.00085 0.00 570 0.8729904 0.000925 0.00 575 0.874548 0.0014525 0.00 580 0.876161 0.0018 0.00 581 0.8792307 0.0047175 0.00 585 0.8792307 0.0047175 0.00 585 0.8792307 0.0047175				
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655 0.8899139 0.89654 0.79 660 0.890139 0.9034 0.804 665 0.8919708 0.91051 0.812 670 0.9009434 0.9172 0.826 675 0.892598 0.92241 0.823 680 0.8972602 0.9276 0.833 685 0.8913308 0.93254 0.83 690 0.8924508 0.9379 0.83 695 0.8954545 0.9448 0.844 700 0.8966613 0.9517 0.855 705 0.8936951 0.9586 0.856 710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.874 725 0.8924401 0.9802 0.874				
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665 0.8919708 0.91051 0.812 670 0.9009434 0.9172 0.826 675 0.892598 0.92241 0.823 680 0.8972602 0.9276 0.833 685 0.8913308 0.93254 0.83 690 0.8924508 0.9379 0.833 695 0.8954545 0.9448 0.844 700 0.8966613 0.9517 0.855 705 0.8936951 0.9586 0.856 710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.874 725 0.8924401 0.9802 0.874				
670 0.9009434 0.9172 0.826 675 0.892598 0.92241 0.823 680 0.8972602 0.9276 0.833 685 0.8913308 0.93254 0.83 690 0.8924508 0.9379 0.83 695 0.8954545 0.9448 0.844 700 0.8966613 0.9517 0.855 705 0.8936951 0.9586 0.856 710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.874 725 0.8924401 0.9802 0.874				
675 0.892598 0.92241 0.823 680 0.8972602 0.9276 0.833 685 0.8913308 0.93254 0.83 690 0.8924508 0.9379 0.83 695 0.8954545 0.9448 0.84 700 0.8966613 0.9517 0.855 705 0.8936951 0.9586 0.856 710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.87 725 0.8924401 0.9802 0.874				
680 0.8972602 0.9276 0.833 685 0.8913308 0.93254 0.833 690 0.8924508 0.9379 0.833 695 0.8954545 0.9448 0.844 700 0.8966613 0.9517 0.855 705 0.8936951 0.9586 0.856 710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.87 725 0.8924401 0.9802 0.874	675			
685 0.8913308 0.93254 0.83 690 0.8924508 0.9379 0.83 695 0.8954545 0.9448 0.84 700 0.8966613 0.9517 0.85 705 0.8936951 0.9586 0.856 710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.87 725 0.8924401 0.9802 0.874				
690 0.8924508 0.9379 0.833 695 0.8954545 0.9448 0.846 700 0.8966613 0.9517 0.853 705 0.8936951 0.9586 0.856 710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.87 725 0.8924401 0.9802 0.874				0.8312016
695 0.8954545 0.9448 0.846 700 0.8966613 0.9517 0.855 705 0.8936951 0.9586 0.856 710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.87 725 0.8924401 0.9802 0.874				
700 0.8966613 0.9517 0.853 705 0.8936951 0.9586 0.856 710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.87 725 0.8924401 0.9802 0.874			0.9448	0.8460254
705 0.8936951 0.9586 0.856 710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.867 720 0.8899254 0.9793 0.874 725 0.8924401 0.9802 0.874	700		0.9517	0.8533525
710 0.8849558 0.9655 0.854 715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.87 725 0.8924401 0.9802 0.874	705		0.9586	0.8566961
715 0.8923969 0.97304 0.86 720 0.8899254 0.9793 0.87 725 0.8924401 0.9802 0.874	710	0.8849558		
725 0.8924401 0.9802 0.874	715			
	720			
	730			

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.891053442	(SPECTRAL
	SUM:	43.39298468	1
	3,300 111	0	1
950	0.890411	0	
945	0.9145078	0	
935	0.899555	0.0069	
930	0.8995535	0.015525	0,0,00000
920	0.8902439 0.8942918	0.0276	
920	0.8713451	0.043125	2.00.0.0.0.
910 915	0.8510242	0.0621	0.052848603
905	0.8515206	0.11009	
900	0.8610635	0.175	
. 895	0.8721683	0.25704	0.2211021
890	0.8790199	0.3448	0.303086062
. 885		0.42523	0.37071334
880	0.8848729	0.5034	
875	0.8636364	0.58016	0.501047294
870	0.854369	0.6552	0.559782569
865	0.8632677	0.72848	
860	0.8736383	0.8	
855	0.8834547	0.86334	
850		0.9103	
845		0.9241	
840		0.93402	
835		0.93402	
830		0.95515 0.9448	0.0002.100
825		0.9655	
820		0.97283	
815		0.9793	
810		0.9862	
805		0.9931	
800		0.9938	
790 795		0.9945	0.00111001
785		0.99543	0.00.00010
780		0.9966	
775		0.99814	
770		1	0.89800
765		1	
760		1	
755		1	
750		1	
745		0.99719	0.88832367
	0.8922078	0.9931	0.88605156

Aircraft: F-16

Part Name: Canopy, A/D, CFWD, TEXSTARS

Manufactured: N/A

S/N# 3818

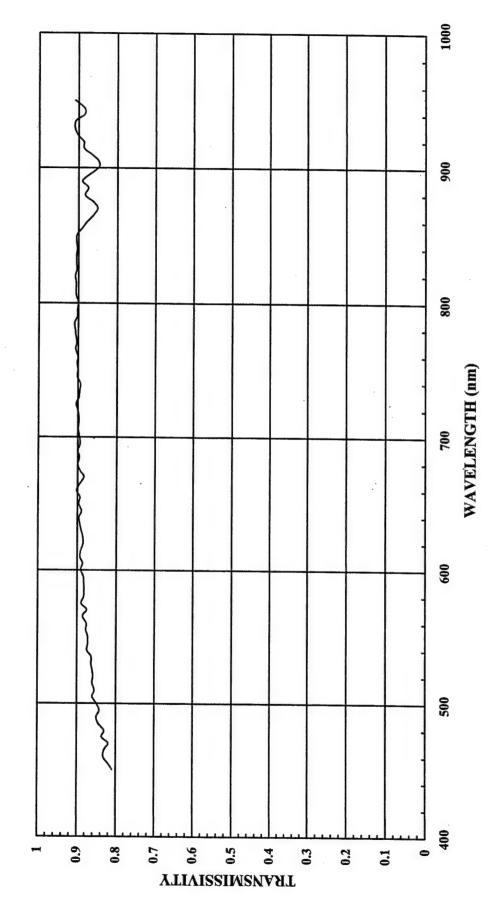
Material Type: N/A

Construction: N/A

Coating: Solar

F-16 CANOPY (TEXSTARS, A/D, CFWD, SOLAR, S/N# 3818) @ NORMAL



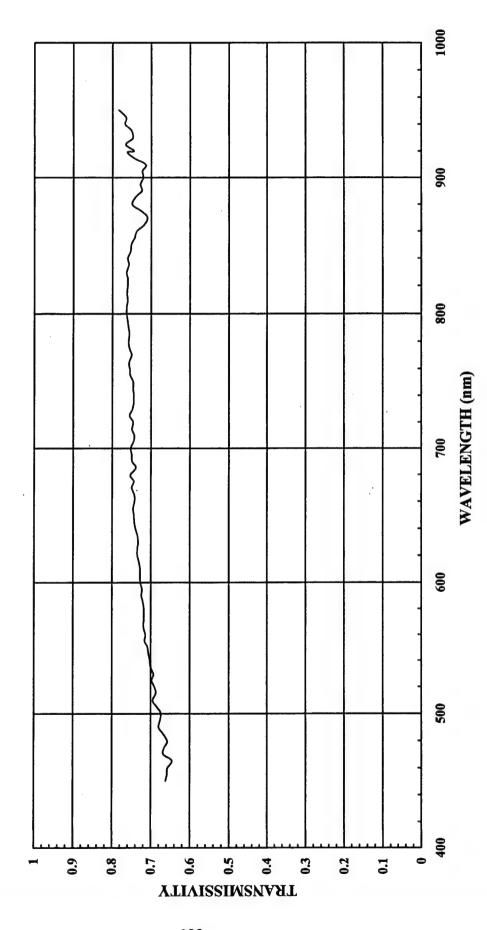


	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC		SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450			8.09278E-0
455			
460			
465			
470			
475			
480		0.000175	0.00014532
485	0.8458647	0.00019375	0.00016388
490	0.8502674	0.0002125	0.00018068
495	0.8427153	0.00022266	0.00018763
500	0.8508914	0.0002375	
505	0.8609271	0.00027656	
510	0.8557537	0.0003125	
515		0.00034279	0.00029529
520	0.8595505		
525	0.8610355		
530	0.864011	0.0004625	
535	0.863824		
540	0.8746666		
545			
550	0.8727273	0.000625	
555		0.0007	0.00061426
. 560		0.000775	0.00067936
565		0.00085	0.00075332
. 570	0.8755411	0.000925	0.00080987
575	0.8898396	0.0014525	
580	0.8837209	0.00198	0.00174976
585	0.8823529	0.0047175	0.004162
590	0.8833672	0.0078	0.00689026
595	0.8835878	0.0114	0.01007290
600	0.890974	0.015	0.0133646
605	0.886087	0.026263	0.02327130
610	0.8931096	0.052	0.04644169
615	0.8914233	0.088388	0.07879112
620	0.8854461	0.175	0.15495306
625		0.43288	
630	0.8898148	0.6138	
635	0.8943599	0.67756	0.60598249
640	0.8963415	0.7448	
645	0.8898377	0.82458	
650		0.8897	0.79813563
655		0.89654	
660	0.9024391	0.9034	
665	0.8958334	0.91051	0.81566526
670	0.8841464	0.9172	0.81093907
675		0.92241	0.82442506
680	0.8998302	0.9276	

	Tnvg(SUM/NVG)		(SPECTRAL TRANSMISSION
	SUM	43.68197598	
	OV.		
950	0.9090909		. 0
945	0.8855219	0	
940	0.8853503	0	
935	0.9076923	0	
930		0.0069	
925		0.015525	0.0.0100020
920		0.0276 0.015525	0.021100010
919		0.043125	
918		0.0621	3,000,0000
910		0.11009	
900		0.175	
899	0.0120011	0.25704	
890	0.0002100	0.3448	0.306947718
888	0.0.020	0.42523	0.372175244
880	3.002.00	0.5034	0.444640786
875		0.58016	0.50069914
870		0.6552	0.558056772
86		0.72848	0.626934259
86	0.8787446	0.8	
85	0.8908595	0.86334	
85	0.9040736	0.9103	
84		0.9172	
84		0.93402	5.5 (501 COL)
. 83	5 0.9053118	0.9448 0.93402	0.000
83	0:0010045	0.95515	
82	7,7,7,7,0	0.9655	
82		0.97283	0.001111010
81		0.9793	1.000
81		0.9862	
80		0.9931	5.501100001
80		0.9938	
79		0.9945	4.00.0200.0
78 79		0.99543	0,000,2002
78		0.9966	0.00,000
77		0.99814	0.000010021
77		1	0.9038013
76		1	0.9065421
76		1	0.9003165
75		1	0.9029363
75			
74		0.99719	
74		0.9931	
73	0.000, 101	0.98838	
73		0.9828	
72	5 0.9049208	0.9802	
72	0.9002514	0.9793	
71		0.97304	
71		0.9658	
70	5 0.8993224	0.9586	
70		0.9517	
69		0.9448	
69	0.000001	0.93254	0.000101111
68	5 0.8958991	0.93254	0.005404745

F-16 CANOPY (TEXSTARS, A/D, CFWD, SOLAR, S/N# 3818) @ DESIGN EYE

Tnvg = 75%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.6623712	0.0001	6.62371E-05
455	0.6585957	0.0001125	7.4092E-05
460	0.6576576		
465	0.6459227	0.0001375	
470	0.6680672	0.00015	
475	0.666	0.00016172	
480	0.6576923	0.000175	
485	0.6685393	0.00019375	
490	0.6797153	0.0002125	0.00012932
495	0.6766169	0.00022266	
500	0.6742302	0.0002375	
505	0.6842105	0.0002373	
510	0.6948052	0.0003125	
515	0.686747	0.0003123	
520	0.6910112	0.000375	0.00025912
525	0.6975477	0.00041875	0.00029912
530	0.6927298	0.0004625	
535	0.7006896	0.00050703	0.00032038
540	0.7022697	0.00055	0.00033327
545	0.7054362	0.00058359	0.00038024
550	0.7085852	0.000625	0.000411080
555	0.7159905	0.0007	0.00050119
560	0.7136205	0.000775	0.000553056
565	0.7184685	0.000775	0.00061069
570	0.7183406	0.000925	0.00061069
575	0.7179487	0.0014525	0.0010428
580	0.717759	0.00198	0.00142116
585	0.7207587	0.0047175	
590	0.7245935	0.0047173	0.003400179 0.005651829
595	0.7229146	0.0114	0.00303182
600	0.7272727	0.015	0.01090909
605	0.7278261	0.026263	0.019114897
610	0.7277533	0.052	0.037843172
615	0.7301006	0.088388	0.064532132
620	0.7350993	0.175	0.128642378
625	0.7352381	0.43288	0.318269869
630	0.7325256	0.6138	0.449624213
635	0.7352415	0.67756	0.49817023
640	0.7401574	0.7448	0.551269232
645	0.7426598	0.82458	0.612382418
650	0.7444062	0.8897	0.662298196
655	0.7462057	0.89654	0.669003258
660	0.7423424	0.9934	0.670632124
665	0.7424932	0.91051	
670	0.7424332	0.9172	0.676047484
675	0.7444444	0.9172	0.6879
680	0.7534247	0.9276	0.686682959 0.698876752

	685 690 695 700 705 710	0.7489879 0.749702 0.7526205	0.93254 0.9379 0.9448 0.9517	0.689141185 0.702475751 0.70831845
	695 700 705 710	0.749702 0.7526205	0.9448	. 0.70831845
	700 705 710	0.7526205		
	705 710		0.0517	
	710			0.71626893
			0.9586	0.714761972
		0.743427	0.9655	0.717778769
	715	0.7495652	0.97304	0.729356922
	720	0.7466443	0.9793	0.731188763
	725	0.7554076	0.9802	0.74045053
	730	0.7487437	0.9828	0.735865308
	735		0.98838	0.736293187
	740		0.9931	0.739375562
	745		0.99719	0.744442023
	750		1	0.7466996
	755		1	0.7538461
	760		1	0.7549564
	765		1	0.7570312
	770		1	0.7507764
	775		0.99814	0.754361972
<u> </u>	780		0.9966	0.755645739
	785		0.99543	0.753064495
	790		0.99343	0.754762648
	790 795		0.9945	0.756048853
		1	0.9931	0.758258664
	800		0.9862	0.752732239
	805		0.9793	0.744946067
	810		0.9793	0.741989018
	815	0.7607296	0.9655	0.734484429
	820			
	825	0.7603486	0.95515	0.726246965 0.721751427
	830	0.7639198	0.9448	
	835	0.7580645	0.93402	0.708047404
The state of the s	840	0.7607656 0.7537313	0.9241	0.703023491
	845	0.7513089	0.9172 0.9103	0.691322348 0.683916492
	850 855		0.86334	. 0.641304578
		0.7428181 0.7378224	0.80534	0.59025792
	860	0.7376224	0.72848	0.523629239
	865		0.72646	0.323029238
	870 875	0.7102362 0.7260727	0.58016	0.421238338
	880	0.7495622	0.5034	0.377329611
	885	0.7410882	0.42523	0.315132935
	890		0.3448	0.249776396
	895		0.25704	0.187133731
	900	0.7207208	0.175	0.12612614
	905	0.7232558	0.11009	0.079623231
			0.11009	0.044357142
	910		0.043125	0.03206731
	915		0.043125	0.03206731
	919 920	0.7619047 0.7453581	0.015525	0.02102657
	920	0.7453581	0.015525	0.005285515
			0.008	0.005265515
	930	0.7485549	0	0
	935	0.7515338	0	0
	940	0.7677419		0
	945	0.7651007	0	<u>_</u>
	950	0.7838828		
		SUM ,	36.46945068	
		Tnvg(SUM/NVG)	0.748882102	1
		·		TRANSMISSION
				COEFFICIENT)

F-16

Aircraft: F-16

Part Name: Canopy, A/C, Left Side, SIERRACIN

Manufactured: 8/86

S/N# 661

Material Type: N/A

Construction: N/A

Coating: Gold Coat

1000 900 F-16 CANOPY (SIERRACIN, A/C, GOLD COAT, LEFT SIDE, S/N# 661) 800 WAVELENGTH (nm) a NORMAL Trvg = 58%009 500 400 0.5 6.0 8.0 9.0 0.2 0.7 **0.4** 0.3 0.1 TRANSMISSIVITY

	CDD COTT		
	SPECTRA-	RELATIVE	<u>NVG</u>
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
VELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	,	0.0001	5.27451E-05
455		0.0001125	6.04816E-05
460		0.000123	6.60205E-05
465		0.0001375	0.000075625
470		0.00015	8.30189E-05
475	0.5512048	0.00016172	8.91408E-05
480	0.5695652	0.000175	9.96739E-05
485	0.5758427	0.00019375	0.00011157
490		0.0002125	0.0001249
495		0.00022266	0.000132059
500		0.0002375	0.00013203
505		0.00027656	0.000145014
510		0.0003125	0.00010093059
515		0.00034279	0.00019303
520	0.625	0.000375	0.000212400
525	0.633	0.00041875	0.000234378
530	0.6339737	0.00041673	0.000293213
535	0.6295547	0.00050703	0.000293213
540	0.6416584	0.00055	0.000319203
545	0.6414566	0.00058359	0.000352912
550	0.638565	0.00038339	0.000374348
555	0.6430446	0.00023	0.000399103
560	0.6438356	0.0007	0.000498973
565	0.6435071	0.000775	0.000498973
570	0.6452649	0.000925	0.00059687
575	0.6538763	0.000925	0.000949755
580	0.6496519	0.00198	
585	0.6392307	0.0047175	0.001286311
590	0.6370426	0.0047175	0.003015571
595	0.6493689		0.004968932
600	0.6589558	0.0114	0.007402805
605	0.6485969	0.015	0.009884337
610	0.6356094	0.026263	0.0170341
615	0.6485944	0.052	0.033051689
620	0.6506521	0.088388	0.057327962
625		0.175	0.113864118
630	0.6493416	0.43288	0.281086992
635		0.6138	0.389462729
640	0.637931	0.67756	0.432236528
645	0.6503856	0.7448	0.484407195
650	0.654717	0.82458	0.539866544
	0.63875	0.8897	0.568295875
655	0.6206262	0.89654	0.556416213
660	0.6243421	0.9034	0.564030653
665	0.6569129	0.91051	0.598125765
670	0.6103286	0.9172	0.559793392
675	0.6424502	0.92241	0.592602489
680	0.6104417	0.9276	0.566245721
685	0.6101695	0.93254	0.569007466
690	0.625	0.9379	0.5861875
695	0.6403587	0.9448	0.6050109
700	0.6320755	0.9517	0.601546253
705	0.6090117	0.9586	0.583798616
710	0.592668	0.9655	0.572220954
715	0.6012821	0.97304	0.585071535
720	0.6249225	0.9793	0.611986604

725	0.6349109	0.9802	0.622339664		
730		0.9828	0.61242553		
735		0.98838	0.576760451	· · · · · · · · · · · · · · · · · · ·	
740		0.9931	0.557609165		
745		0.99719	0.563096241		
750		1	0.6004994		
755		1	0.6239263		
760		1	0.6187351		
765	4	1	0.5860246		
770		1	0.5569918		
775		0.99814	0.537004111		
780		0.9966	0.546384355		
785		0.99543	0.582501348	,	
790		0.9945	0.600234851		
795	0.6034483	0.9938	0.599706921		
800	0.5694966	0.9931	0.565567073		
. 805		0.9862	0.533717239		
810		0.9793	0.507729445		
815		0.97283	0.51276089		
820		0.9655	0.53427497		
825	0.5843072	0.95515	0.558101022		
830	0.592718	0.9448	0.559999966		
835	0.5664029	0.93402	0.529031637		
840	0.5351598	0.9241	0.494541171		
845		0.9172	0.461660238		
850		0.9103	0.435558979		
855		. 0.86334	0.415050014		
860		. 0.8	0.4043764		
865		0.72848	0.389867052		
. 870		0.6552	0.360834823		
875		0.58016	0.317986392		
880		0.5034	0.264100655		
885		0.42523	0.206835784		
890		0.3448 0.25704	0.158608 0.11396272		
895 900		0.25704	0.11396272		
905		0.11009	0.076446265		
910		0.11009	0.031166288	•	
915		0.043125	0.022648983		
920		0.043123	0.015034148		
925	0.5235043	0.015525	0.008127404		
930		0.0069	0.003434667		
935		0.0000	0.000404007		
940		0	0		
945		0	0		
950		O	0		
	SUM:	28.42127233			
	Tnvg(SUM/NVG):	0.583616746			
			TRANSMISSION		
	COEFFICIENT)				

F-111

Aircraft: F-111

Part Name: Windscreen, SIERRACIN

Manufactured: N/A

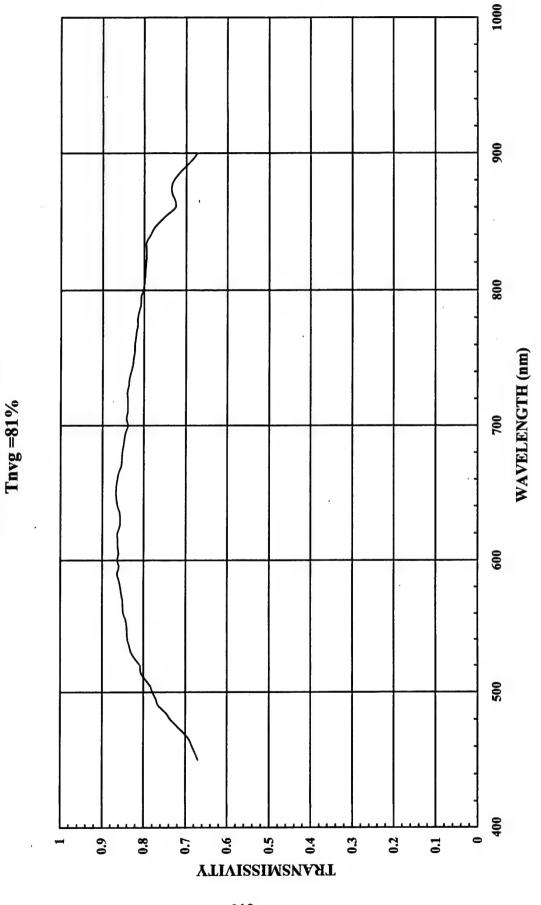
S/N# 606

Material Type: Polycarbonate

Construction: Layered

Coating: Acrylic

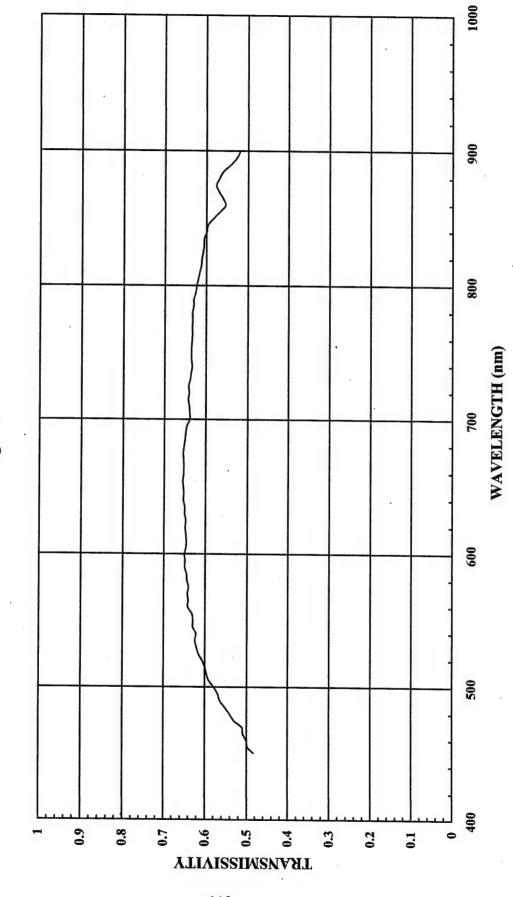
F-111 WINDSCREEN(ACRYLIC WITH POLYCARBONATE LAYERS, SIERRACIN, S/N#606) @ NORMAL



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)		"NVIS A"	RESPONSE
450	0.669887	0.0001	
455	0.675969	0.0001125	6.70E-05
460	0.683599	0.0001120	7.60E-05
465	0.690231	0.000123	8.41E-0
470	0.702864	0.0001373	9.49E-0
475	0.719425	0.00013	1.05E-04
480	0.735739	0.000175	1.16E-04 1.29E-04
485	0.747126	0.00019375	1.45E-04
490	0.765596	0.0002125	1.43E-04 1.63E-04
495	0.771028	0.0002123	1.72E-04
500	0.779506	0.00022200	
505	0.784722	0.0002373	1.85E-04
510	0.796888	0.00027030	2.17E-04
515	0.807087	0.0003123	2.49E-04
520	0.808715	0.00034279	2.77E-04
525	0.820318	0.000375	3.03E-04
530	0.829773	0.00041875	3.44E-04
535	0.834	0.00050703	3.84E-04
540	0.838583	0.00050705	4.23E-04
545	0.839877	0.00058	4.61E-04
550	0.840693	0.00038339	4.90E-04
555	0.843002	0.00025	5.25E-04
560	0.848567	0.0007	5.90E-04
565	0.850028	0.00085	6.58E-04
570	0.851087	0.00085	7.23E-04
575	0.854007	0.0014525	7.87E-04
580	0.856184	0.0014325	1.24E-03
585	0.859592	0.00198	1.70E-03
590	0.863783	0.0047179	4.06E-03
595	0.859633	0.0078	6.74E-03
600	0.86376	0.0114	9.80E-03
605	0.860989	0.026263	1.30E-02
610	0.862847	0.020203	2.26E-02
615	0.862889	0.088388	4.49E-02
620	0.8635	0.175	7.63E-02
625	0.858206	0.43288	1.51E-01
630	0.856974	0.43266	3.72E-01
635	0.857791	0.67756	5.26E-01
640	0.86306	0.7448	5.81E-01
645	0.865983	0.82458	6.43E-01
650	0.866457	0.8897	7.14E-01
655	0.866426	0.89654	7.71E-01
660	0.863565	0.9034	7.77E-01
665	0.860597	0.91051	7.80E-01
670	0.854234	0.9172	7.84E-01
675	0.853032	0.92241	7.84E-01
680	0.851714	0.92241	7.87E-01
685	0.848998	0.93254	7.90E-01
690	0.846819	0.93234	7.92E-01
695	0.843718	0.9448	7.94E-01
700	0.83807	0.9448	7.97E-01
705	0.841649	0.9586	7.98E-01
710	0.838791	0.9655	8.07E-01 8.10E-01

715	0.838287	0.97304	8.16E-01
720	0.83923	0.9793	
725	0.839567	0.9802	
730	0.836255	0.9828	8.22E-01
735	0.834975	0.98838	
740	0.831105	0.9931	
745	0.82693	0.99719	8.25E-01
750	0.825027	1	8.25E-01
755	0.822373	1	8.22E-01
760	0.822206	1	8.22E-01
765	0.820266	1	8.20E-01
770	0.818077	1	8.18E-01
775	0.815614	0.99814	8.14E-01
780	0.8156	· 0.9966	8.13E-01
785	0.811623	0.99543	8.08E-01
790	0.807281	0.9945	8.03E-01
795	0.807318	0.9938	
. 800	0.802536	0.9931	7.97E-01
805	0.799924	0.9862	7.89E-01
810	0.798077	0.9793	7.82E-01
815	0.797079	0.97283	7.75E-01
820	0.796061	0.9655	7.69E-01
825	0.794762	0.95515	7.59E-01
830	0.794779	0.9448	7.51E-01
835	0.794668	. 0.93402	7.42E-01
840	0.785235	0.9241	7.26E-01
845	0.776807	0.9172	7.12E-01
850	0.762228	0.9103	6.94E-01
855	0.744578	0.86334	6.43E-01
860	0.726794	0.8	5.81E-01
865	0.726883	0.72848	5.30E-01
870	0.733941	0.6552	4.81E-01
875	0.73561	0.58016	4.27E-01
880	0.730365	. 0.5034	3.68E-01
885	0.716519	0.42523	3.05E-01
890	0.702746	0.3448	2.42E-01
895	0.686659	0.25704	1.76E-01
900	0.673977	0.175	1.18E-01
	AT = 2		
	SUM	39.51563529	
	Tnvg(SUM/NVG)	0.811433993	(SPECTRAL
			TRANSMISSION
			COEFFICIENT)

F-111 WINDSCREEN (ACRYLIC WITH POLYCARBONATE LAYERS, SIERRACIN, S/N#606) @ DESIGN EYE Tnvg = 62%



F-111, SIERRACI	N, S	S/N# 606, ACRYLIC,]	<u>POLYCARBONATE/</u>	LAYERED @ DESIGN EYE
		SPECTRA-	RELATIVE	NVG
		RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
VAVELENGTH(nm)		READING	"NVIS A"	RESPONSE
	450	0.483092	0.0001	4.83E-05
	455	0.497674	0.0001125	5.60E-05
	460	0.500726	0.000123	6.16E-05
	465	0.508997	0.0001375	7.00E-05
	470	0.51074	0.00015	7.66E-05
	475	0.529976	0.00016172	8.57E-05
	480	0.540163	0.000175	9.45E-05
	485	0.551724	0.00019375	1.07E-04
	490	0.564176	0.0002125	1.20E-04
	495	0.569159	0.00022266	1.27E-04
	500	0.578657	0.00022235	1.37E-04
	505	0.590278	0.0002373	1.63E-04
charge training	510	0.596233	0.00027030	1.86E-04
	515	0.590255	0.0003123	2.06E-04
	520	0.606352	0.00034279	2.00E-04 2.27E-04
	525	0.606352	0.000375	2.27E-04 2.58E-04
	530	0.62016	0.00041875	2.58E-04 2.87E-04
	535	0.624	0.00050703	3.16E-04
	540	0.621391	0.00050705	3.42E-04
	545	0.629448	0.00058359	3.67E-04
	550	0.628843	0.00056359	3.93E-04
	555	0.631187	0.000625	4.42E-04
	560	0.641428	0.0007	4.42E-04 4.97E-04
	565	0.640288	0.000775	5.44E-04
	570	0.040204	0.000925	5.94E-04
	575	0.639612	0.000925	9.29E-04
	580	0.643337	0.0014323	1.27E-03
	585	0.644115	0.0047175	3.04E-03
	590	0.649333	0.0047173	5.06E-03
	595	0.648624	0.0078	7.39E-03
	300	0.649864	0.0114	9.75E-03
	305	0.646072	0.026263	9.75E-03 1.70E-02
	310	0.645399	0.020203	3.36E-02
	315	0.647059	0.088388	5.72E-02
	20	0.648267	0.000300	1.13E-01
	325	0.646962	0.43288	2.80E-01
	330	0.650118	0.6138	3.99E-01
	335	0.649773	0.67756	4.40E-01
	340	0.652985	0.7448	4.86E-01
	345	0.65224	0.82458	5.38E-01
	550	0.653574	0.8897	5.81E-01
	555	0.654633	0.89654	5.87E-01
	60	0.652208	0.9034	5.89E-01
	65	0.652437	0.91051	5.94E-01
	370	0.65309	0.9172	5.99E-01
	75	0.653649	0.92241	6.03E-01
	80	0.651849	0.9276	6.05E-01
	85	0.64962	0.93254	6.06E-01
	90	0.647995	0.9379	6.08E-01
	95	0.645216	0.9448	6.10E-01

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG)	0.621729413	
	SUM (SUM/NVC)	30.27730284	(CDT CTT) AT
	STIM	20 07700004	
900	0.519858	0.175	9.10E-02
895		0.25704	
890		0.3448	
885		0.42523	2.38E-01
. 880		0.5034	2.86E-01
875		0.58016	3.35E-01
870		0.6552	3.73E-01
865		0.72848	4.08E-01
860		0.8	4.44E-01
855		0.86334	4.90E-01
850		0.9103	5.31E-01
845		0.9172	5.47E-01
840		0.9241	5.54E-01
835		0.93402	5.65E-01
830		0.9448	5.72E-01
825		0.95515	5.81E-01
820		0.9655	5.90E-01
815		0.97283	5.96E-01
810		0.9793	6.03E-01
805		0.9862	6.11E-01
800		0.9931	6.18E-01
795		0.9938	
790		0.9945	
785		0.99543	6.27E-01
780		0.9966	6.30E-01
775		0.99814	6.31E-01
770		1	6.33E-01
765		. 1	6.33E-01
760		1	6.33E-01
755		1	6.35E-01
750		. 1	6.35E-01
745		0.99719	6.33E-01
740		0.9931	6.29E-01
735		0.98838	6.28E-01
730		0.9828	6.27E-01
725		0.9802	6.29E-01
720		0.9793	6.27E-01
715		0.97304	6.25E-01
710		0.9655	6.18E-01
		0.9586	6.13E-01
705			C 40F 04

TRAINER

T-38

Aircraft: T-38

Part Name: Windscreen, PPG

Manufactured: N/A

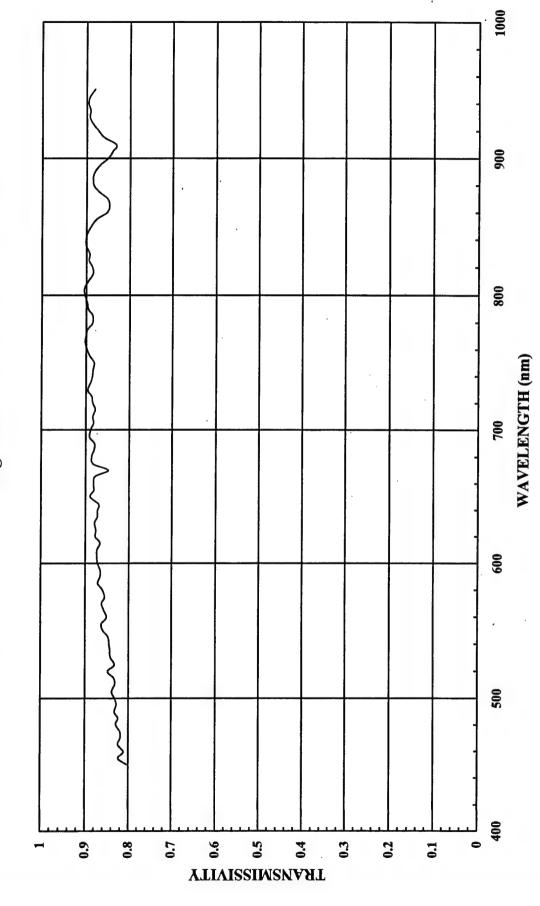
S/N# 970

Material Type: N/A

Construction: N/A

Coating: Acrylic Monolith

T-38 WINDSCREEN (PPG, ACRYLIC MONOLITH, S/N# 970) @ NORMAL Tnvg = 89%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.803653	0.0001	8.03653E-0
455	0.823913	0.0001125	9.26902E-0
460	0.811359	0.000123	9.97972E-0
465	0.8243243	0.0001375	0.00011334
470		0.00015	0.00012288
475	0.8191682	0.00016172	0.00013247
480	0.8292683	0.000175	0.00014512
485	0.8240271	, 0.00019375	0.00015965
490	0.8325359	0.0002125	0.00017691
495	0.8281017	0.00022266	0.00018438
500	0.8321168	0.0002375	0.00019762
. 505	0.8389459	0.00027656	0.00023201
510	0.8316401	0.0003125	0.00025988
515	0.8344733	0.00034279	0.00028604
520	0.8484076	0.000375	0.00031815
525	0.8329298	0.00041875	0.00034878
530	0.8421701	0.0004625	0.00038950
535	0.8434783	0.00050703	0.00042766
540	0.8452237	0.00055	0.00046487
545	0.8481735	0.00058359	0.00049498
550	. 0.8598028	0.000625	0.00053737
555	0.8627027	0.0007	0.00060389
560	0.8508403	0.000775	0.00065940
565	0.857868	0.00085	0.00072918
570	0.8624754	0.000925	0.0007977
575	0.8556304	0.0014525	0.00124280
580	0.8609779	0.00198	0.00170473
585	0.871673	0.0047175	0.00411211
590	0.8664824	0.0078	0.00675856
595	0.8657367	0.0114	0.00986939
600	0.8721499	0.015	0.01308224
605	0.8734277	0.026263	0.02293883
610	0.8736177	0.052	0.0454281
615	0.8668321	0.088388	0.07661755
620	0.8778822	0.175	0.15362938
625	0.8761823	0.43288	0.37928179
630	0.879397	0.6138	0.53977387
635	0.8730549	0.67756	0.59154707
640	0.8728139	0.7448	0.65007179
645	0.8700696	0.82458	0.71744199
650	0.8896658	0.8897	0.79153566
655	0.881459	0.89654	0.79026325
660	0.8817292	0.9034	0.79655415
665	0.8782687	0.91051	0.79967243
670	0.8483146	0.9172	0.77807415
675	0.8831614	0.92241	0.81463690
680	0.8863637	0.9276	0.82219096
685	0.8810572	0.93254	0.82162108
690	0.8798498	0.9379	0.82521112
695	0.8913526	0.9448	0.84214993

		The state of the s	COEFFICIENT)
	8,		TRANSMISSION
	Tnvg(SUM/NVG)	0.885354409	(SPECTRAL
	SUM	43.11545021	
300	0.0001341		U
950	0.8807947	0	0
940	0.8934169	0	0
935 940	0.8917379 0.8961424	0	0
930		0.0069	0.006162032
925		0.015525	0.013742794
920		0.0276	0.024116505
915		0.043125	0.037152287
910		0.0621	0.051704404
905		0.11009	0.092607895
900		0.175	0.148767973
895		0.25704	0.223793521
890		0.3448	0.30397668
885		0.42523	0.376611541
880		0.5034	0.444696814
875		0.58016	0.505215395
870	0.8526012	0.6552	0.558624306
865	0.8479452	0.72848	0.617711119
860	0.8541667	0.8	0.68333336
855	0.877193	0.86334	0.757315805
850	0.8883553	0.9103	0.80866983
845		0.9172	0.823907644
840		0.9241	0.832905838
835		0.93402	0.841013838
. 830		0.9448	0.843571388
825		0.95515	0.854355313
820		0.9655	0.855675534
815		0.97283	0.860945016
810		0.9793	0.87799308
805		0.9862	0.892451335
800		0.9931	0.897784248
795		0.9938	0.892867188
790		0.9945	0.890819894
785		0.99543	0.881509407
780		0.9966	0.883044406
775		0.99814	0.895933957
770		1	0.9008559
765		1	0.9027182
760		1	0.8979592
755		1	0.8915483
750		. 1	0.8817697
745		0.99719	0.881825687
740		0.9931	0.879670899
735		0.98838	0.879567566
730		0.9828	0.880924328
725		0.9802	
720	0.8846447	0.9793	0.866332555
715	0.8788356	0.97304	0.855142192
710	0.8841667	0.9655	0.853662949
705	0.8825623	0.9586	0.846024221
700	0.8887814	0.9517	0.845853258

T- 38

Aircraft: T-38

Part Name: Windscreen, PPG

Manufactured: N/A

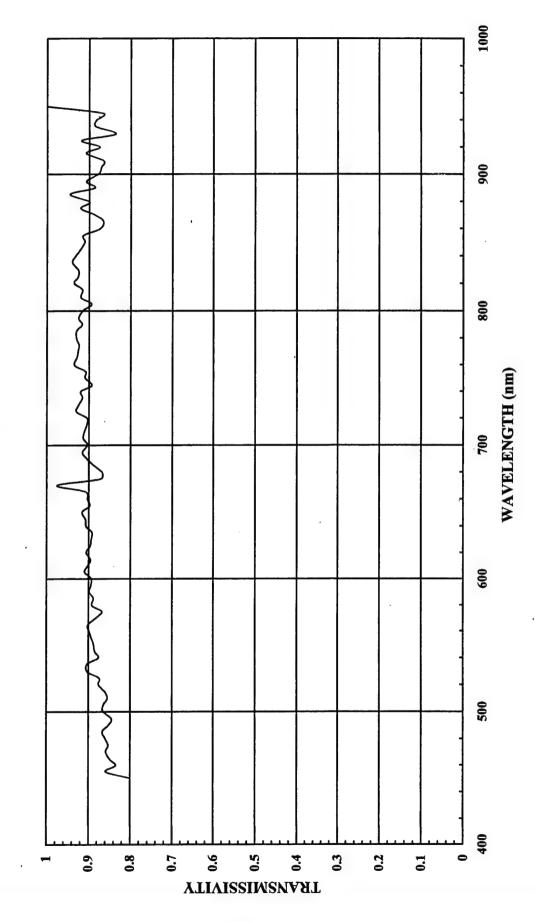
S/N# PPG-862

Material Type: N/A

Construction: N/A

Coating: N/A

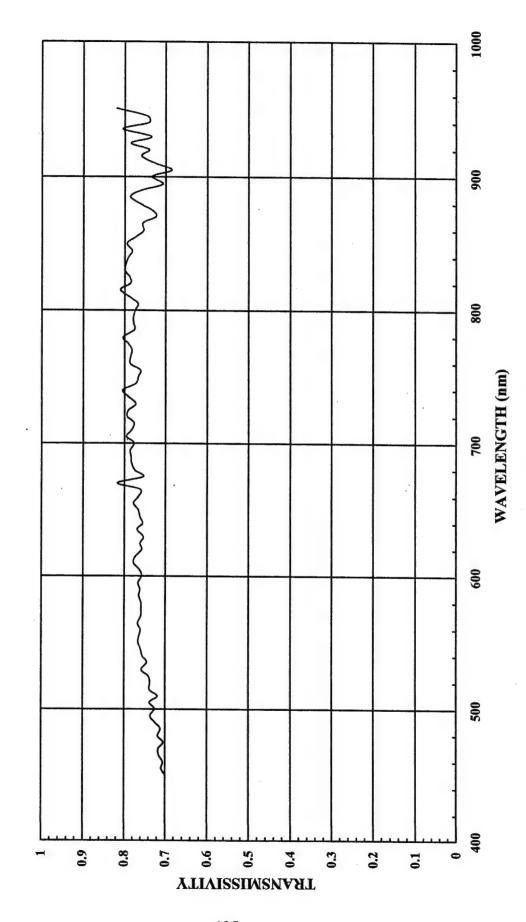
T38/F-5 WINDSCREEN (PPG, S/N# PPG-862) @ NORMAL Tnvg = 91%



	SPECTRA-	RELATIVE	NIVO
	RADIOMETRIC		NVG
WAVELENGTH(nm)	READING	SPECTRAL SENSITIVITY	<u>SPECTRAL</u>
450		"NVIS A"	RESPONSE
	0.8000001	0.0001	8E-09
455		0.0001125	9.65372E-0
460	0.8343558	0.000 120	0.00010262
465	0.8484849	0.0001010	0.00011666
470	0.8579882	0.00010	0.00012869
475	0.8522727	0.00016172	0.0001378
480	0.8587571	0.000175	0.00015028
485	0.8663101	0.00019375	
490	0.8522167	0.0002125	0.00018109
495	0.8443397	0.00022266	0.00018800
500	0.8651163		0.00010000
505	0.8638498	0.00027656	0.00020346
510	0.8545454	0.0003125	
515	0.8601694	0.00034279	0.00026704
520	0.875969	0.00034279	0.00029485
525	0.8740458		0.00032848
530	0.9023438	0.00041875	0.00036600
535	0.9031008	0.000,020	0.00041733
540		0.00050703	0.000457899
545	0.8759398	0.00055	0.00048176
550	0.8850175	0.00058359	0.00051648
555	0.8881356	0.000625	0.00055508
500	0.8936878	0.0007	0.00062558
	0.8983606	0.000775	0.000696229
565	0.9012739	0.00085	0.00076608
570	0.8810976	0.000925	0.00081501
575	0.8674699	0.0014525	0.00126
. 580	0.8915663	0.00198	0.00176530
585	0.8885449	0.0047175	0.00419171
590	0.8988096	0.0078	0.00701071
595	0.8945869	0.0114	0.01019829
600	0.8936171	0.015	0.013404257
605	0.9098143	0.026263	0.023894453
610	0.9024391	0.052	0.046926833
615	0.8953168	0.088388	0.079135261
620	0.9059829	0.175	0.158547008
625	0.8963585	0.43288	0.388015667
630	0.8943089	0.6138	0.548926803
635	0.8923884	0.67756	0.604646684
640	0.9065657	0.7448	0.675210133
645	0.9072681	0.82458	0.74811513
650	0.9156327	0.8897	0.814638413
655	0.8977556	0.89654	
660	0.9028872	0.9034	0.804873806
665	0.9074733	0.91051	0.815668296
670	0.9756097	0.91051	0.826263514
. 675	0.8717949		0.894829217
680	0.8676471	0.92241 0.9276	0.80415233 ⁴ 0.80482945

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.912323319	
	SUM:	44.4287962	
950		0	0
945		0	0
940		0	0
935		0.0003	0.000.10400
930		0.0169	0.005773469
925		0.015525	0.014257652
910		0.043125	0.039131946
910		0.043125	0.039131948
905 910		0.11009 0.0621	0.095884834 0.053750419
900		0.175	0.153625955
895		0.25704	
890		0.3448	0.305722678
885		0.42523	0.402551081
880		0.5034	0.452743361
875		0.58016	0.534171703
870		0.6552	0.581971769
865		0.72848	0.631066999
860		0.8	0.69945352
855	0.9139785	• 0.86334	0.789074198
850		0.9103	0.828852091
845		0.9172	0.844550514
840		0.9241	0.861297055
835		0.93402	0.878064823
830		0.9448	0.874662016
825		0.95515	0.884857551
820		0.9655	0.90360894
815		0.9733	0.891079593
810		. 0.9793	0.900641351
805		0.9862	0.881367729
800		0.9931	0.908087561
790		0.9938	0.919358119
785	The second secon	0.99543	0.926062067
780		0.9966 0.99543	0.926062067
775		0.99814	0.922331966
770		0.00914	0.9263803 0.922331966
765		1	0:9294478 0.9263803
760		1	0.9349844
755		1	0.9082568
750		. 1	0.9096573
745		0.99719	0.89057224
740		0.9931	0.913524784
735		0.98838	0.905022601
730		0.9828	0.909372358
725		0.9802	0.911750282
720		0.9793	0.88616005
715		0.97304	0.880495431
710	0.9111111	0.9655	0.879677767
705		0.9586	0.875723949
700		0.9517	0.859969824
695		0.9448	0.864732168
690		0.9379	0.849083684
685	0.8893805	0.93254	0.829382891

T38/F-5 WINDSCREEN (PPG, S/N# PPG-862) @ DESIGN EYE Tnvg = 78%



	862 @ DESIGN EYE		
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	The state of the s	0.0001	0.0000
455		0.0001125	
460	the second state of the se	0.000123	
465		0.0001375	
470		0.00015	
475		0.00016172	
480		0.000175	
485		0.00019375	
490		0.0002125	
495		0.00022266	
500		0.0002375	1
505		0.0002373	
510		0.00027030	
515	0.7372881	0.00034279	
520	0.7364341	0.00034275	
525	0.740458	0.000373	
530			
535	0.7378125	0.0004025	
540	0.7556391	0.0005703	
545	0.7595818	0.00058359	
550	0.7661017		
555	0.7641196	0.000625 0.0007	0.00047881 0.00053488
ECO	· 0.7606558	0.0007	
. 565	0.767516	0.000775	
570	0.7591463	0.000925	
575	0.7590361	0.0014525	
580	0.7590362	0.0014323	
585	0.7647058	0.0047175	
590	0.7619048	0.007773	
595	0.7663818	0.0076	0.00394283
600	0.7579787	0.014	
605	0.7639257	0.026263	
610	0.777778	0.052	
615	0.7741047	0.088388	
620	0.7578347	0.175	
625	0.7619047	0.43288	
630	0.7533876	0.6138	
635	0.7690289	0.67756	
640	0.7550505	0.7448	
645	0.7619047	0.82458	
650		0.8897	0.68217694
655	0.7780548	0.89654	0.6975572
660	0.7664042	0.9034	
665	0.7615659	0.91051	
670	0.8170731	0.9172	
675	0.7538461	0.92241	
680	0.7745098	0.9276	

			COEFFICIENT)	
	,		TRANSMISSION	
	Tnvg(SUM/NVG):	0.777981926		
	SUM:	37.88656909		
		J	; U	
950		0	. 0	
945		0	0	
940		0	0	
935		0.0069	0.005069388	
930		0.015525	0.012198215	
925		0.0276	0.020434615	
916		0.043125	0.032743057	
910		0.0621	0.044878993	
905		0.11009	0.075464912	
900		0.175	0.12824427	
895		0.25704	0.181763985	
890		0.3448	0.262048034	
· 885		0.42523	0.33451428	
880		0.5034	0.38309057	
875		0.58016	0.424507307	
870	0.7235295	0.6552	0.47405652	
868		0.72848	0.55059538	
860		0.80334	0.66839221 0.6032787	
858	0011000	0.86334	0.72344890	
850		0.9172 0.9103	0.71741384	
845		0.9241	0.73120530	
840		0.93402	0.74463343	
. 838		0.9448	0.75501481	
830		0.95515	0.75254243	
820		0.9655	0.759196594	
820		0.97283	0.78889158	
816		0.9793	0.77085462	
809 810		0.9862	0.75712201	
800	0.7 1 10 10 1	0.9931	0.76897629	
799		0.9938	0.77419633	
790		0.9945	0.773901	
78		0.99543	0.77345259	
780		0.9966	0.80125314	
77		0.99814	0.78966768	
77(0.7822086	1	0.782208	
76		1	0.785276	
76	0.7863777	1	0.786377	
75		1	0.7614679	
75		0.337 13	0.77141112	
74		0.99719	0.79893623	
74		0.9931	0.782963	
73		0.98838	0.75969309 0.782963	
73		0.9828	0.77485084	
72		0.9802	0.77705329	
72		0.97304	0.75622129	
71		0.9655 0.97304	0.75630839	
71		0.9586	0.76245999	
70		0.9517	0.73957406	
69 70		0.9448	0.74302917	
69		0.9379	0.73539885	
20	5 0.7831858	0.93254	0.73035208	

T-38/F-5

Aircraft: T-38/F-5

Part Name: Canopy, SWEDLOW

Manufactured: 1/88

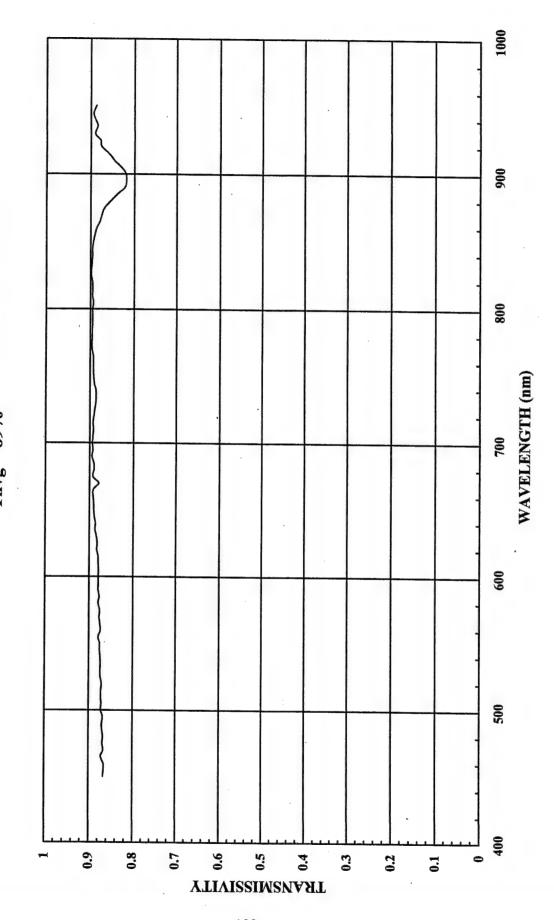
S/N# SWU 2923

Material Type: N/A

Construction: N/A

Coating: N/A

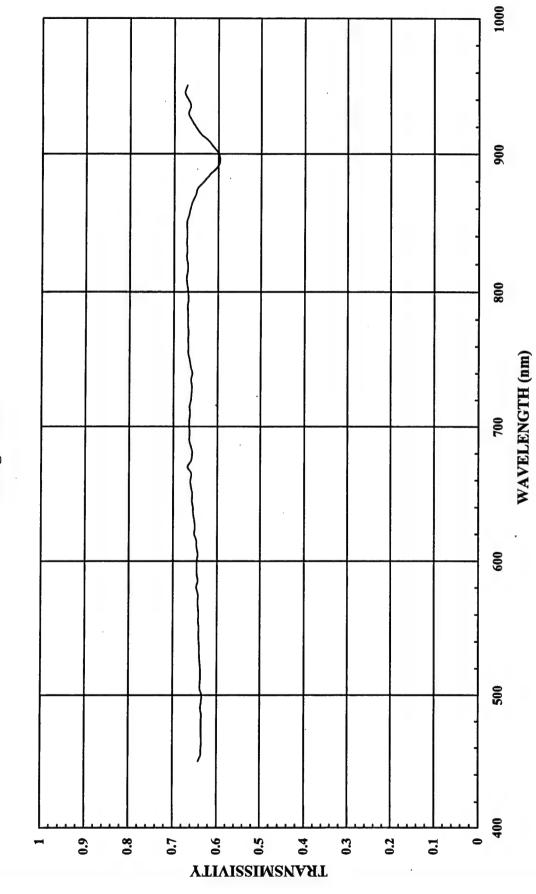
T-38/F-5 CANOPY (SWEDLOW, S/N# SWU 2923) @ NORMAL Tnvg = 89%



	SPECTRA-	RELATIVE	NVG
, , , , , , , , , , , , , , , , , , ,			
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)		"NVIS A"	RESPONSE
450	0.8670887		8.67089E-05
455	0.8660477	0.0001125	9.74304E-05
460	0.8659218		0.000106508
465	0.8721273		0.000119918
470	0.8668571	0.00015	0.000130029
475	0.8685369	0.00016172	0.00014046
480	0.8676858	0.000175	0.00015184
485	0.8694758	1	0.000168461
490	0.870073	. 0.0002125	0.00018489
495	0.8683258	0.00022266	0.000193341
500	0.8726311	0.0002375	0.00020725
505	0.8716577	0.00027656	0.000241066
510	0.872397	0.0003125	0.000272624
515	0.8724023	0.00034279	0.00029905
520	0.8712034	0.000375	0.000326701
525	0.8736141	0.00041875	0.000365826
530	0.8739716	0.0004625	0.000404212
535	0.8738739	0.00050703	0.00044308
540	0.874405	0.00055	0.000480923
545	0.8757764	0.00058359	0.000511094
550	0.8756219	0.000625	0.000547264
555	0.8789955	0.0007	0.000615297
560	0.8740433	0.000775	0.000677384
565	0.8756173	0.00085	0.000744275
570	0.8768679	0.000925	0.000811103
575	0.8760211	0.0014525	0.00127242
580	0.8796296	0.00198	0.001741667
585	0.8771527	0.0047175	0.004137968
590	0.8796761	0.0078	0.006861474
595	0.8791965	0.0114	0.01002284
600	0.879064	0.015	0.01318596
605	0.8789536	0.026263	0.023083958
. 610	0.8797029	0.052	0.045744551
615	0.8799301	0.088388	0.077775262
620	0.8830833	0.175	0.154539578
625	0.8820166	0.43288	0.381807346
630	0.8841758	0.6138	0.542707106
635	0.8871528	0.67756	0.601099251
640	0.8863746	0.7448	0.660171802
645	0.8890982	0.82458	0.733132594
650	0.8902726	0.8897	0.792075532
655	0.8904268	0.89654	0.798303243
660	0.8916914	0.9034	0.805554011
665	0.8913756	0.91051	0.811606398
670	0.8791019	0.9172	0.806312263
675	0.8926316	0.92241	0.823372314
680	0.8898809	0.9276	0.825453523
685	0.890583	0.93254	0.830504271
690	0.894958	0.9379	0.839381108

			COEFFICIENT)
			TRANSMISSION
	THE BUILDING.	0.009212187	
	Tnvg (SUM/NVG):		(SPECTRAL
	SUM:	43.30331826	
930	0.8875379	0	. 0
945		0	. 0
940 945		0	0
935		0	0
930		0.0069	0.006144692
925		0.015525	0.013635842
920		0.0276	0.024178342
915		0.043125	0.036986212
910		0.0621	0.052575456
905		0.11009	0.091501502
900		0.175	0.143592575
895		0.25704	0.210526556
890		0.3448	0.283737644
885		0.42523	0.357085617
880	0.8564454	0.5034	0.431134614
875	0.8691197	0.58016	0.504228485
870	0.8746123	0.6552	0.573045979
865	0.8796297	0.72848	0.640792644
860		0.8	0.70950664
855		0.86334	0.768663891
850		0.9172	0.821598134
845		0.9241	0.821598134
840		0.93402	0.827593927
835		0.9448	0.848663482 0.837772975
830		0.95515	0.858515469
825		0.9655	0.864731827
820		0.9655	0.870733924
815		0.9793 0.97283	0.877219433
810		0.9862	0.880937746
805		0.9931	0.889016069
800		0.9938	0.889621934
795		0.9945	0.890335971
785 790		0.99543	0.891739441
780		0.9966	0.89272508
, 775		0.99814	0.89469307
770			0.8962736
765	The state of the s	1	0.8934122
760		1	0.8925068
755	NAME OF TAXABLE PARTY O		0.8926205
750		1	0.8919423
745		0.99719	0.887998094
740		0.9931	0.880714547
735		0.98838	0.875917182
730		0.9828	0.872004239
725	0.8892981	0.9802	0.871689998
720		0.9793	0.872740506
715		0.97304	0.868685644
710		0.9655	0.856245485 0.861048927
705		0.9517 0.9586	0.850740904
700		0.9448	0.843966503
695	0.8932753	0.0440	0.040000000

T-38/F-5 CANOPY (SWEDLOW, S/N# SWU 2923) @ DESIGN EYE Tnvg = 66%



	CDECTD A	DELL'A MILLER	
	SPECTRA-	RELATIVE	<u>NVG</u>
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.6420535	0.0001	6.42054E-05
455	0.6359417	0.0001125	7.15434E-0
460	0.6356301	0.000123	7.81825E-0
465	0.6346494	0.0001375	8.72643E-0
470	0.6354286	0.00015	9.53143E-0
475	0.6353135	0.00016172	0.00010274
480	0.6352135	0.000175	0.00011116
485	0.6346351	0.00019375	0.00012296
490	0.636983	0.0002125	0.00013535
495	0.6352941	0.00022266	0.00014145
500	0.6342001	0.0002375	0.00015062
505	0.6385918	0.00027656	.0.00017660
510	0.6380151	0.0003125	0.0001993
515	0.6375727	0.00034279	0.00021855
520	0.6378316	0.000375	0.00023918
525	0.6389505	0.00041875	0.00026756
530	0.6398654	0.0004625	0.00029593
535	0.640015	0.00050703	0.00032450
540	0.6411572	0.00055	0.00035263
545	. 0.6418219	0.00058359	0.00037456
550	0.6411277	0.000625	0.00037438
555	0.6428572	0.0007	0.00040070
560	0.6422194	0.000775	0.0004977
565	0.6432099	0.00085	0.0004977
570	0.6437538	0.000925	0.000595472
575	0.6432322	0.0014525	0.00039347
580	0.6472801	0.00198	0.00128161
585	0.6440872	0.0047175	0.00303848
590	0.6460078	0.0078	0.00503886
595	0.6460481	0.0114	0.003036494
600	0.6463054	0.015	0.007304940
605	0.6439953	0.026263	0.016913249
610	0.6465372	0.052	0.033619934
615	0.6472791	0.088388	0.05721170
620	0.6523538	0.175	0.11416191
625	0.6507276	0.43288	0.281686963
630	0.6522733	0.6138	0.400365352
635	0.6550099	0.67756	0.443808508
640	0.6550313	0.7448	0.487867312
645	0.6576407	0.82458	0.542277368
650	0.6571899	0.8897	0.584701854
655	0.6597462	0.89654	0.591488858
660	0.6612265	0.9034	0.59735202
665	0.6593887	0.91051	0.600380008
670	0.6683938	0.91031	0.61305079
675	0.66	0.9172	0.613050793
680	0.6572421	0.92241	
685	0.6605381	0.9276	0.609657772 0.6159782
690	0.6646295	0.9379	0.623356008

			COEFFICIENT)
			TRANSMISSION
	Tnvg (SUM/NVG):	0.661982048	(SPECTRAL
	SUM:	32.23754661	
	2.2.2.100		
950	0.6707193	0	0
945		0	0
940		0	0
930 935		0.0069	0.004611358
925		0.015525	0.010269266
920		0.0276	0.018015235
915		0.043125	0.027593859
910		0.0621	0.038690796
905		0.11009	0.067293239
900		0.175	0.104911835
895		0.25704	0.153220773
890		0.3448	
885	0.6183447	0.42523	0.262938717
880		0.5034	0.318803623
875		0.58016	0.375334048
870		0.6552	0.426736346
865		0.72848	0.480134539
860	0.6634577	0.80334	0.53076616
855		0.86334	0.575670364
845 850		0.9172	0.615316369 0.610890041
840		0.9241 0.9172	0.619376639
835		0.93402	0.627119055
830	0.6703194	0.9448	0.633317769
825 830		0.95515	0.641676934
820 825		0.9655	0.646205385
815 820		0.97283	0.651081459
810		0.9793	0.657914599
805		0.9862	0.661125502
800		0.9931	0.663917044
795		0.9938	0.663505303
790		0.9945	0.665787915
785		0.99543	0.665549177
780		0.9966	0.665845701
775		0.99814	0.666977211
770		1	0.6672478
765		1	0.6679799
760		1	0.6670384
755		1	0.6675806
750		1	0.6644155
745		0.99719	0.65949041
740		0.9931	0.653043592
735		0.98838	0.653069713
730		0.9828	0.646992867
725		0.9802	0.646548546
720	0.6607766	0.9793	0.647098524
715	0.6638675	0.97304	0.645969632
710		0.9655	0.639915828
705		0.9586	0.636988358
700		0.9517	0.632602223
695	0.6634326	0.9448	0.62681112

T- 38

Aircraft: T-38

Part Name: Windscreen, PPG

Manufactured: N/A

S/N# 900

Material Type: N/A

Construction: N/A

Coating: Self-Healing

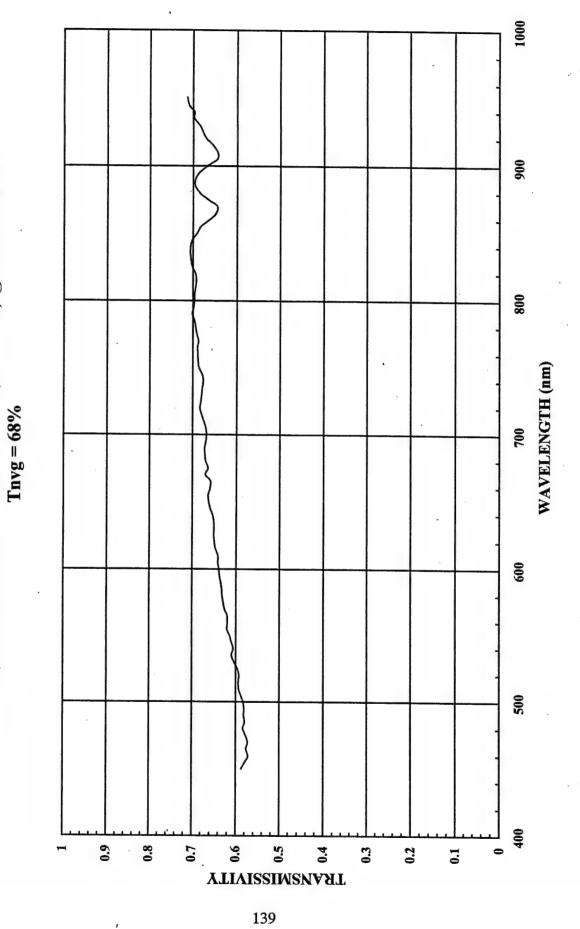
T38/F5 WINDSCREEN (PPG, SELF HEALING COATING, S/N# 900) @ NORMAL Tnvg = 85%0.7 0.5 6.0 8.0 0.7 9.0 9.4 0.3

1000 006 800 WAVELENGTH (nm) 700 009 200 400 0.1 TRANSMISSIVITY

	SPECTRA-	RELATIVE	NVC
	RADIOMETRIC	SPECTRAL SENSITIVITY	NVG SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450		0.0001	
455		0.0001	7.61068E-0
460		0.0001123	8.52452E-0
465		0.000123	9.22688E-0 0.00010360
470	0.7502819	0.0001373	0.00010360
475		0.00016172	0.00011254
480	0.759124	0.0001772	0.00012210
485	0.7598785	0.00019375	0.00013284
490	0.758505	0.0002125	0.00014722
495	0.7611408	0.0002123	
500	0.7646803	0.0002375	0.00016947 0.00018161
505	0.770044	0.0002373	0.00018181
510	0.7724891	0.00027030	
515	0.7731538	0.0003123	0.00024140
520	0.773535	0.00034279	0.00026502
525	0.7777374	0.000375	0.00029007
530	0.7828655	0.00041875	0.00032567
535	0.7859531	0.0004825	0.00036207
540	0.7883369	0.0005703	0.00039850
545	0.7890281	0.00058	0.00043358
550	0.7928782	0.000625	0.00046046
555	0.7981417	0.00023	0.00049554
560	0.7968603	0.0007	0.00055869
565	0.799818	0.000775	0.00061756
°570	0.8053514	0.000925	0.00067984
575	0.8066092	0.0014525	0.0007449
580	0.8063781	0.0014525	0.001171
585	0.8087153	0.00198	0.00159662
590	0.8126028	0.0047179	0.00381511
595	0.8141524	0.0078	0.00633830
600	0.8126509	0.0114	0.00928133
605	0.8150058	0.026263	0.01218976
610	0.819707	0.026263	0.02140449
615	0.8225567	0.088388	0.04262476
620	0.8225273	0.066368	0.07270414
625	0.8252627	0.43288	0.14394227
630	0.827	0.43268	0.35723971
635	0.8287037	0.67756	0.507612
640	0.8286729	0.07730	0.56149647
645	0.8322895	0.82458	0.61719557
650	0.8344524	0.8897	0.68628927
655	0.8371246	0.89654	0.742412
660	0.8360975	0.9034	0.75051568
665	0.8362069		0.75533048
670	0.8561526	0.91051 0.9172	0.76137474
675	0.8409207	0.9172	0.78526316
680	0.8439306		0.77567366
685	0.8417832	0.9276	0.78283002
690	0.8421445	0.93254	0.78499650
695		0.9379	0.78984732
700	0.8438115	0.9448	0.79723310
705	0.8480138	0.9517	0.80705473
710	0.8494537 0.8471321	0.9586 0.9655	0.81428631 0.81790604

· 715	0.8464622	0.97304	0.823641579
720		0.9793	0.83007123
725		0.9802	0.832224303
730		0.9828	0.837992381
735		0.98838	0.843405509
740		0.9931	0.845293153
745		0.99719	0.844871222
750		1	0.8520221
755	0.8551181	1	0.8551181
760		1	0.8590929
765		1	0.8613454
770		1	0.8591732
775		0.99814	0.859844808
780		0.9966	0.859340973
785		0.99543	0.861669193
790			0.866470059
795		0.9938	0.865363971
800		0.9931	0.86039304
805		0.9862	0.853345546
810		0.9793	0.844358238
815		0.9793	0.839961268
820		0.9655	0.837482714
825			0.835391192
		0.95515 0.9448	0.827214444
830 835		0.93402	0.827214444
840		0.93402	0.803874313
845		0.9241	0.793841369
· 850		0.0400	0.777547947
855	0.8514701	0.86334	0.735108196
860		0.8	0.733100190
865		0.72848	0.602837816
. 870		0.6552	0.542334265
875		0.58016	0.490200216
880	0.8551927	0.5034	0.430504005
885	0.8581933	0.42523	0.364929537
890	0.8564246	0.3448	0.295295202
895		0.25704	0.23233202
900	\$	0.25704	0.217283294
905	0.8152245	0.11009	0.089748065
910		0.0621	0.050724833
915		0.043125	
920		0.0276	0.023451786
925		0.015525	0.013348597
930		0.0069	0.005952941
935		0.0000	0.00002541
940		0	0
945		0	0
950		0	0
930	0.0739037	- U	
	SUM:	41.47950052	
	Tnvg(SUM/NVG):	0.851760993	(SPECTRAL
	111.6(00)111.1.0).	0.001100000	TRANSMISSION
		:	COEFFICIENT)

T38/F-5 (PPG, SELF-HEALING COATING, S/N# 900) @ DESIGN EYE



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
4			5.87491E-0
	0.5799869		6.52485E-0
	0.5719535		7.03503E-0
4			7.92224E-0
4		0.00015	
4	0.5768604		9.32899E-0
4:	0.5834203	0.000175	0.00010209
41	0.5795339	0.00019375	0.00011228
4:		0.0002125	0.0001236
49	0.5811052	0.00022266	0.00012938
50	0.583297	0.0002375	0.00013853
50	0.5881057	0.00027656	0.00016264
5	0.5934498	0.0003125	0.00018545
5.	5 0.5940433	0.00034279	0.00020363
52	0.5924386	0.000375	0.00022216
52	0.5962169	0.00041875	0.00024966
53	0.6045052	0.0004625	0.00027958
53	5 0.6098105	0.00050703	0.00030919
54	0.6058316	0.00055	0.00033320
54		0.00058359	0.0003563
55		0.000625	. 0.0003842
55		0.0007	0.00043444
.56		0.000775	0.00048008
56		0.00085	0.000526964
57		0.000925	0.00057931
57		0.0014525	0.00091323
58		0.00198	0.00125046
58		0.0047175	0.00298347
59		0.0078	0.00494926
59		0.0114	0.00727311
60		0.015	0.00958232
60		0.026263	0.01684772
61		0.052	0.03333553
61		0.088388	0.05719479
62		0.175	0.11372996
62		0.43288	0.281710296
63		0.6138 0.67756	0.3992769 0.441140412
64		0.07738	0.48694383
64		0.82458	0.54359925
65		0.8897	0.59018071
65		0.89654	0.59531394
. 66		0.9034	0.59602366
66		0.91051	0.59997510
67		0.9172	0.61517576
67		0.92241	0.61289541
68		0.9276	0.621974538
68		0.93254	0.626448386
69		0.9379	0.630969974
69		0.9448	0.63296035
70		0.9517	0.63583638
70		0.9586	0.642387193
71		0.9655	0.650809564
71		0.97304	0.661621273

			COEFFICIENT)
			TRANSMISSION
		0.680039755	
	Tnvg(SUM/NVG):	33.11693022	(CDD CTTD)
	SUM:	00.44005555	
950	0.7134147	0	0
945		0	0
940		0	0
935		0	0
930		0.0069	0.004724019
. 925		0.015525	0.010519276
920	0.010000	0.0276	0.020278008
915	0.6557377	0.043125	0.028278688
910	0.6445047	0.0621	0.040023742
905	0.6454132	0.11009	0.071053539
900	0.6662484	0.23704	0.176620178
895	0.6871311	0.25704	0.23962638
890	0.6949721	0.42323	0.23962638
885	0.6953782	0.42523	0.295695672
880		0.5034	0.385965306 0.344108635
875		0.58016	0.422812354
870		0.72646	0.472610142
865		0.72848	0.5312
860		0.00334	0.588745821
855		0.86334	0.628160253
850		0.9172	0.643957498
845		0.9241	0.652433174
840		0.9241	
835	0.7061855	0.93402	0.659591381
830	0.7044182	0.9448	0.665534315
825	0.7015291	0.95515	0.670366784
820	0.694528	0.9655	0.670566784
815	0.6923991	0.97283	0.673586616
810	0.6943578	0.9793	
805	0.69654	0.9862	
800	0.6964236	0.9931	
795	0.6988877	0.9938	
790	0.7014698	0.9945	
78	0,000,001	0.99543	0.001000
780		0.9966	0.689719831
77:		0.99814	0.6871232
770		1	0.6895955
769		1	0.000-1002
760		1	0.001007
75		1	0.6861213
750		0.99719	0.070011011
74		0.9931	0.011100010
74		0.98838	5.5. 55550 10
73		0.9828	0.00010000
73		0.9802	
72		0.9793	
72	0.000404		

NAVY FIGHTER

Aircraft: F-18

Part Name: Windscreen, SIERRACIN

Manufactured: N/A

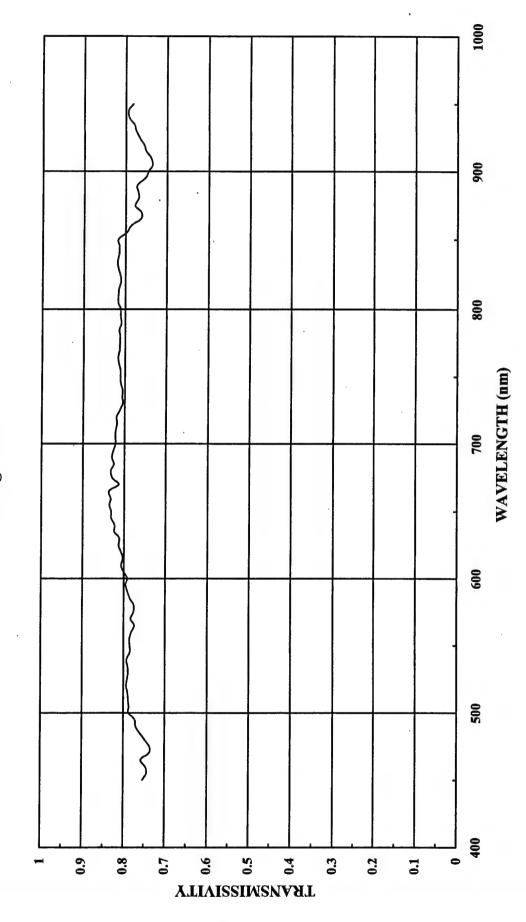
S/N# 168

Material Type: N/A

Construction: N/A

Coating: ITO S243 Process Coating

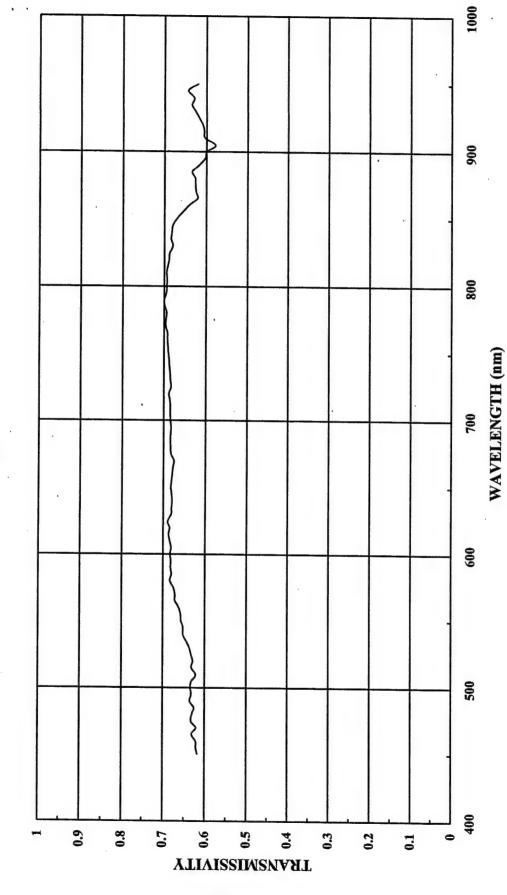
F-18 WINDSCREEN (SIERRACIN, ITO, S243 PROCESS COATING, S/N# 168) @ NORMAL Trvg = 81%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	
WAVELENGTH(nm)	READING	"NVIS A"	SPECTRAL
450	0.7534562		RESPONSE
455		0.0001	7.53456E-05
460	0.7440861	0.0001125	8.37097E-05
465	0.745491	0.000123	
470	0.7572815 0.7378277	0.0001375	0.000104126
475	0.7360862	0.00015	0.000110674
480	0.7487001	0.00016172	0.00011904
485	0.7600671	0.000175	0.000131023
490	0.769968	0.00019375	0.000147263
495	0.7731343	0.0002125	0.000163618
500	0.7879234	0.00022266	0.000172146
505	0.7869822	0.0002375	0.000187132
510	0.7888563	0.00027656	0.000217648
515	0.7901908	0.0003125	0.000246518
520	0.7937106	0.00034279	0.00027087
525	0.7916153	0.000375	0.000297641
530	0.7889448	0.00041875	0.000331489
535	0.7907268	0.0004625	0.000364887
540	0.7929782	0.00050703	0.000400922
545	. 0.7844926	0.00055	0.000436138
550	0.7850876	0.00058359	0.000457822
555	0.7859459	0.000625	0.00049068
560	0.782241	0.0007	0.000550162
565	0.7744898	0.000775	0.000606237
570	0.7832168	0.00085	0.000658316
575	0.7766991	0.000925	0.000724476
580	0.7761768	0.0014525	0.001128155
585	0.7854406	0.00198 0.0047175	0.00153683
590	0.7911276	0.0047175	0.003705316
595	0.7958656	0.0078	0.006170795
600	0.7917342	0.0114	0.009072868
605	0.8006329	0.026263	0.011876013
610	0.8069468	0.020203	0.021027022
615	0.8028643	0.088388	0.041961234 0.07096357
620	0.8077922	0.175	0.141363635
625	0.8134263	0.43288	0.352115977
630	0.8119731	0.6138	0.498389089
635	0.8241578	0.67756	0.558416359
640	0.8229167	0.7448	0.612908358
645	0.8317536	0.82458	0.685847383
650	0.8313725	0.8897	0.739672113
655	0.8361935	0.89654	0.74968092
660	0.8326395	0.9034	0.752206524
665	0.8369441	0.91051	0.762045972
670	0.8135594	0.9172	0.746196682
675	0.8291032	0.92241	0.764773083
680	0.8327759	0.9276	0.772482925
685	0.825465	0.93254	0.769779131
690	0.8302354	0.9379	0.778677782

SUM: Tnvg(SUM/NVG):	39.58538831 0.812866337	(SPECTRAL TRANSMISSION
CVINE		
0.782313	0	0
	0	0
	0	0
	0	0
	0.0069	0.005351801
0.7664042	0.015525	0.011898425
	0.0276	
	0.0621	
		0.193426481
		0.499662924
		0.6288828
		0.68911842
		0.747670163 0.74438326
		0.753624804
		0.764842825
<u> </u>		
		0.805617617
1		
		0.811771491
	1	0.81142
	1	0.8109568
	0.99719	
	0.9802	0.796788309
0.8200155	0.9793	0.803041179
0.8265957	0.9448	0.780967617
	0.8185419 0.8200155 0.8128834 0.8051242 0.8067823 0.805691 0.8109568 0.8109568 0.81142 0.8153054 0.8169935 0.8132842 0.8122102 0.8145425 0.8132842 0.8122102 0.8145425 0.81817117 0.811215 0.8173168 0.8173168 0.8173168 0.818872 0.8188861 0.8188861 0.818872 0.8188872 0.8185523 0.8185523 0.816599 0.817734 0.7982005 0.7661035 0.777605 0.777605 0.7777232 0.7729831 0.77525151 0.7452632 0.7756233 0.7760586	0.8219442 0.9517 5 0.8222222 0.9586 0.8218488 0.9655 0.8185419 0.97304 0.8200155 0.9793 0.8128834 0.9802 0.8051242 0.9828 0.8067823 0.98838 0.805691 0.9931 0.8103175 0.99719 0.8109568 1 1.081342 1 0.8169935 1 0.8153054 1 1.08132842 0.99814 0.8132842 0.99814 0.8132842 0.9986 0.8145425 0.99543 0.8098891 0.9945 0.81371717 0.9938 0.811717 0.9938 0.8173168 0.9662 0.8173168 0.9655 0.8170378 0.9793 0.8170378 0.9793 0.8155533 0.97283 0.816852 0.9655 0.818872 0.9455 0.081569 0.9595

F-18 WINDSCREEN (SIERRACIN, ITO, S243 PROCESS COATING, S/N# 168) @ DESIGN EYE Tnvg = 68%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
STATES TO THE CONTRACTOR AND THE		"NVIS A"	
WAVELENGTH(nm)	READING		RESPONSE
450	0.6175115		6.17512E-05
455	0.6209151	<u> </u>	6.98529E-05
460	0.6209677	0.000123	7.6379E-05
465	0.6308594	1.	8.67432E-05
470	0.6204934		9.3074E-05
475	0.6322464		0.000102247
480	0.6302083		0.000110286
485	0.6256324		0.000121216
490	0.635634		0.000135072
495	0.6321321	0.00022266	0.000140751
500	0.6342183	0.0002375	0.000150627
505	0.6318927	0.00027656	0.000174756
510	0.6211454	0.0003125	0.000194108
515	0.6320109	0.00034279	0.000216647
520	0.6286439	0.000375	0.000235741
525	0.6324257	0.00041875	0.000264828
530	0.6372796	0.0004625	0.000294742
535	0.6445557	0.00050703	0.000326809
540	0.6521212	0.00055	0.000358667
. 545	0.6521739	0.00058359	0.000380602
550	0.6574279	0.000625	0.000410892
555	0.6580086	0.0007	0.000460606
560	0.6635021		0.000514214
565	0.6721311	0.00085	0.000571311
570	0.6716418	0.000925	0.000621269
575	0.6754386	0.0014525	0.000981075
580	0.6841086	. 0.00198	0.001354535
585	0.6800767	0.0047175	0.003208262
590	0.6823637	0.0078	0.005322437
595	0.6815835	0.0114	0.007770052
600	0.6837816		0.010256724
605	0.6814932	0.026263	0.017898056
610	0.6844661	0.052	0.035592237
615	0.6872881	0.088388	0.060748021
620	0.6845754	0.175	0.119800695
625	0.6896251	0.43288	0.298524913
630	0.6813187	0.6138	0.418193418
635	0.680886	0.67756	0.461341118 0.506105006
640	0.679518	0.7448 0.82458	0.561443906
645	0.6808847 0.6823529	0.82458	0.607089375
650 655			0.610737303
655	0.6812159		0.614070973
660	0.6797332 0.6777523	0.9034 0.91051	0.617100247
665 670		0.9172	0.619729752
675	0.6756757 0.6824325	0.9172	0.629482562
680	0.6835017	0.92241	0.634016177
685	0.6844381	0.9276	0.638265906
690			0.641169824

			COEFFICIENT)
			TRANSMISSION
	IIIVg(SUMMYG):	0.680072657	
	Tnvg(SUM/NVG):	33.11853249	(CDECTED A Y
	SUM:	22 11052040	
950	0.020339	0	0
950		0	0
945		0	0
940		0	0
930		0.0069	0.004326796
925 930		0.015525	0.009581836
920		0.0276	0.016805941
915		0.043125	0.026123801
910		0.0621	0.03754884
905		0.11009	0.06369836
900		0.175	0.10492664
895		0.25704	0.154949521
890		0.3448	0.213231595
885		0.42523	0.269915508
880	0.6270627	0.5034	0.315663363
875	0.6263565	0.58016	0.363386987
870		0.6552	0.409499934
865	0.6212766	0.72848	0.452587578
860	0.6404342	0.8	0.51234736
855	0.6572164	0.86334	0.567401207
850		0.9103	0.610621958
845	0.6804734	0.9172	0.624130202
840	0.6828442	0.9241	0.631016325
835	0.6843817	0.93402	0.639226195
830	0.6802935	0.9448	0.642741299
825	0.6878199	0.95515	0.656971177
820	0.6888217	0.9655	0.665057351
815	0.692	0.97283	0.67319836
810	0.6947674	0.9793	0.680385715
805		0.9862	0.683977432
800	0.6941839	0.9931	0.689394031
795		0.9938	0.690637235
790		0.9945	0.696490616
785	0.6987755	0.99543	0.695582096
780	0.6942724	0.9966	0.691911874
775	0.6960712	0.99814	0.694776508
770	0.6960642	1	0.6960642
765	0.6918605	1	0.6918605
760	0.6919676	1	0.6919676
755	0.6908541	1	0.6908541
750		1	0.6896285
745		0.99719	0.686408357
740	0.6870415	0.9931	0.682300914
735	0.6853755	0.98838	0.677411437
730	The state of the s	0.9828	0.673004339
725	0.6831149	0.9802	0.669589225
720		0.9793	0.673886101
715	0.6860558	0.97304	0.667559736
710	0.6845638	0.9655	0.660946349
705		0.9586	0.656245865
700		0.9517	0.651308172
695	0.6826923	0.9448	0.645007685

Aircraft: F-18

Part Name: Windscreen, SIERRACIN

Manufactured: N/A

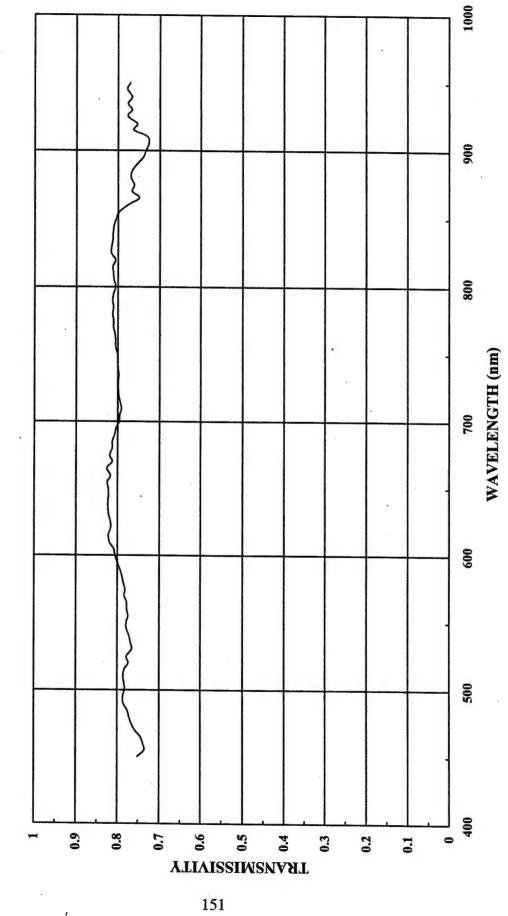
S/N# 234

Material Type: N/A

Construction: N/A

Coating: ITO S243 Process Coating

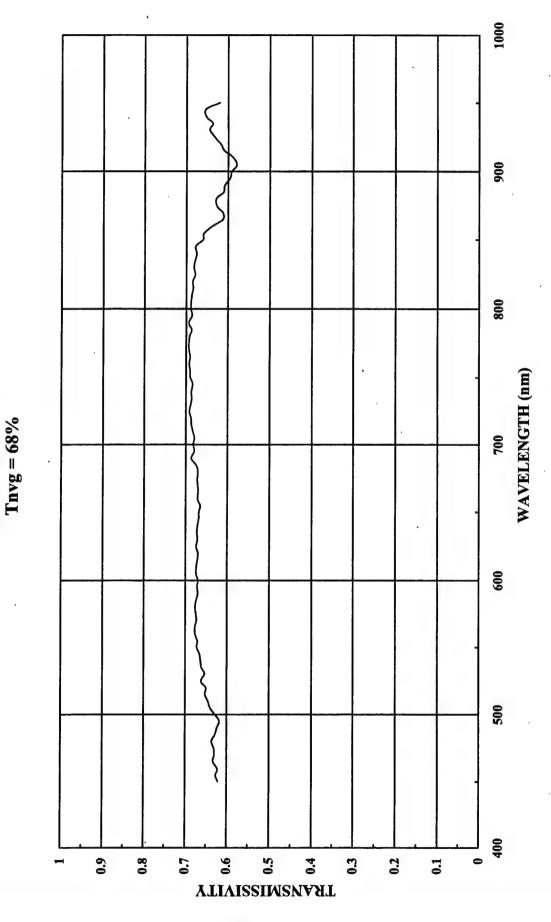
F-18 WINDSCREEN (SIERRACIN, ITO, S243 PROCESS COATING, S/N# 234) a NORMAL Trivg = 80%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.7511416	0.0001	7.51142E-05
455		0.0001125	8.26923E-05
460	0.738	0.0001123	0.000090774
465		0.000123	0.000102338
470	0.7574627	0.00015	0.000102330
475	0.7655417	0.00016172	0.000113813
480	0.7718696	0.00010172	0.000125003
485		0.000173	0.000150334
490	0.7853736	0.00019373	0.000150334
495		0.0002125	
	0.7864507		0.000175111
500	0.7819768	0.0002375	0.000185719
505	0.7833089	0.00027656	0.000216632
510	0.7855073	0.0003125	0.000245471
515	0.7831978	0.00034279	0.000268472
520	0.7734668	0.000375	0.00029005
525	0.7780488	0.00041875	0.000325808
530	0.7645601	0.0004625	0.000353609
535	0.7678133	0.00050703	0.000389304
540	0.7709832	0.00055	0.000424041
545	0.777903	0.00058359	0.000453976
550	0.7783843	0.000625	0.00048649
555	0.7740899	0.0007	0.000541863
560	0.7771967	0.000775	0.000602327
565	0.7775531	0.00085	0.00066092
570	0.783677.5	0.000925	0.000724902
575	0.7813998	0.0014525	0.001134983
580	0.7862595	0.00198	0.001556794
585	0.7893738	0.0047175	0.003723871
590	0.7943586	0.0078	0.006195997
595	0.801364	0.0114	0.00913555
600	0.8057785	0.015	0.012086678
605	0.809375	0.026263	0.021256616
610	0.8192	0.052	0.0425984
615	0.8222036	0.088388	0.072672932
620	0.8170213	0.175	0.142978728
625	0.8167808	0.43288	0.353568073
630	0.8220551	0.6138	0.50457742
635	0.8229083	0.67756	0.557569748
640	0.8234363	0.7448	0.613295356
645	0.8217899	0.82458	0.677631516
650	0.8223429	0.8897	0.731638478
655	0.8248457	0.89654	0.739507164
660	0.8174343	0.9034	0.738470147
665	0.8261364	0.91051	0.752205454
670	0.8133333	0.9172	0.745989303
675	0.8190955	0.92241	0.75554188
680	0.8132232	0.9276	0.75434584
685	0.8136557	0.93254	0.758766486
690	0.8083538	0.9379	0.758155029

			COEFFICIENT)
			TRANSMISSION
		0.004240	
	Tnvg(SUM/NVG):		(SPECTRAL
	SUM:	39.16559062	
950	0.1102103	0	. 0
950		0	0
945		0	0
935		0	0
930 935		0.0069	0.0052875
925		0.015525	0.012061418
920		0.0276	0.020801971
915		0.043125	0.03285714
910		0.0621	0.045304776
905		0.11009	0.080022406
900		0.175	0.128333328
895		0.25704	0.189986078
890		0.3448	0.26034624
` 885		0.42523	0.325835294
880		0.5034	0.386849258
875		0.58016	0.441387178
870		0.6552	0.501773192
865		0.72848	0.545342605
860		0.8	0.61970312
855		0.86334	0.689128348
850		0.9103	0.732680443
845		0.9172	0.743156255
840	0.8122222	0.9241	0.750574535
835	0.8130342	0.93402	0.759390203
830	0.815625	0.9448	0.7706025
825	0.816616	0.95515	0.779990772
820	0.8063555	0.9655	0.778536235
815	0.8128079	0.97283	0.790723909
810		0.9793	0.794685596
805	0.8097469	0.9862	0.798572393
800	0.8055556	0.9931	0.799997266
795		0.9938	0.805855724
790		0.9945	0.808557142
785		0.99543	0.807235298
780	0.8133129	0.9966	0.810547636
. 775		0.99814	0.808850135
770		1	0.8107914
765	0.8073066	1	0.8073066
760		1	0.8055353
755	0.8052239	1	0.8052239
750	0.8007634	1	0.8007634
745	0.8004695	0.99719	0.798220181
740		0.9931	0.79416042
735		0.98838	0.788552
730		0.9828	0.785335627
725		0.9802	0.783118832
720		0.9793	0.773633068
715		0.97304	0.764121996
710		0.9655	0.763001696 0.764121996
705		0.9586	0.757383226
700		0.9448 0.9517	0.759623168
695	0.8040042	0.0449	0.750000400

F-18 WINDSCREEN (SIERRACIN, ITO, S243 PROCESS COATING, S/N# 234) @ DESIGN EYE



F-18, SIERRACIN, I	TO S243 PROCESS, S	/N# 234 @ DESIGN EYE	
	SPECTRA-	DEL ATIME	
	RADIOMETRIC	RELATIVE	NVG
WAVELENGTH(nm)	The state of the s	SPECTRAL SENSITIVITY	
The state of the s	READING	"NVIS A"	RESPONSE
450		0.0001	6.20455E-05
455		0.0001125	
460		0.000123	
465		0.0001375	
470		0.00015	
475		0.00016172	0.000101898
480	0.6357388	0.000175	
485		0.00019375	0.000121619
490		0.0002125	0.00013252
495		0.00022266	0.000137497
500		0.0002375	0.000149168
505		0.00027656	0.000176837
510		0.0003125	0.000201409
515	0.6522911	0.00034279	0.000223599
520	0.65	0.000375	0.00024375
525	0.6617647	0.00041875	0.000277114
530	0.6534653	0.0004625	0.000302228
535	0.6609125	0.00050703	0.000335102
540	0.6630952	0.00055	0.000364702
545	0.6659192	0.00058359	0.000388624
550	0.6721133	0.000625	0.000420071
555	0.6705757	0.0007	0.000469403
. 560	0.676071	0.000775	0.000523955
565	0.6767372	0.00085	0.000575227
570	0.6728335	0.000925	0.000622371
575	0.6743075	0.0014525	0.000979432
580	0.6761905	0.00198	0.001338857
585	0.6739131	. 0.0047175	0.003179185
590	0.6696915	0.0078	0.005223594
595	0.6717687	0.0114	0.007658163
600	0.669607	0.015	0.010044105
605	0.6739812	0.026263	0.017700768
. 610	0.6736	0.052	0.0350272
615	0.6708333	0.088388	0.059293614
620	0.6695132	0.175	0.11716481
625	0.6741186	0.43288	0.29181246
630	0.6711186	0.6138	0.411932597
635	0.6726094	0.67756	0.455733225
640	0.671406	0.7448	0.500063189
645	0.6684783	0.82458	0.551213837
650	0.6679597	0.8897	0.594283745
. 655	0.6648773	0.89654	0.596089095
660	0.6710635	0.9034	0.606238766
665	0.6696833	0.91051	0.609753341
670	0.671141	0.9172	0.615570525
675	0.6722408	0.92241	0.620081636
680	0.6705298	0.9276	0.621983442
685	0.6751773	0.93254	0.629629839
690	0.6871166	0.9379	0.644446659

l			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):		(SPECTRAL
	SUM:	32.8741048	(CDECTD A I
	OTIM.	BO 07440 47	
950	0.62	0	0
945		0	0
940		0	0
935		0	0
930		0.0069	0.004446667
925		0.015525	0.009805264
920		0.0276	0.017053102
915		0.043125	0.026303192
910		0.0621	0.036579459
905		0.11009	0.063823731
900		0.175	0.103541673
895		0.25704	0.209822027
890		0.42525	0.209822627
885		0.42523	0.316280934 0.259862773
875 880		0.58016 0.5034	0.363386987
870		0.6552	0.401418567
865		0.72848	0.446155391
860		0.8	0.50889488
855		0.86334	0.568218617
850		0.9103	0.600575978
845		0.9172	0.621502424
840		0.9241	0.623613083
835	1	0.93402	0.634372
830		0.9448	0.644002512
825		0.95515	0.648379412
820		0.9655	0.661063078
815		0.97283	0.664863055
810		0.9793	0.672452699
805		0.9862	0.679402845
800		0.9931	0.684769562
795		0.9938	0.682192221
790		0.9945	0.690508003
785		0.99543	0.683907693
780	0.6921899	0.9966	0.689836454
775		0.99814	0.692766254
770		1	0.6933045
765		1	0.6903735
760	0.6929249	1	0.6929249
755	0.6900672	1	0.6900672
750	0.6899999	1	0.6899999
745		0.99719	0.681919207
740		0.9931	0.682606193
735		0.98838	0.678405549
730		0.9828	0.676570626
725		0.9802	0.678370151
720		0.9793	0.673596522
715		0.97304	0.668342936
710		0.9655	0.659638483
705		0.9586	0.651140457
700		0.9517	0.649544291
695	0.679285	0.9448	0.641788468

Aircraft: F-18

Part Name: Windscreen, SIERRACIN

Manufactured: N/A

S/N# 307

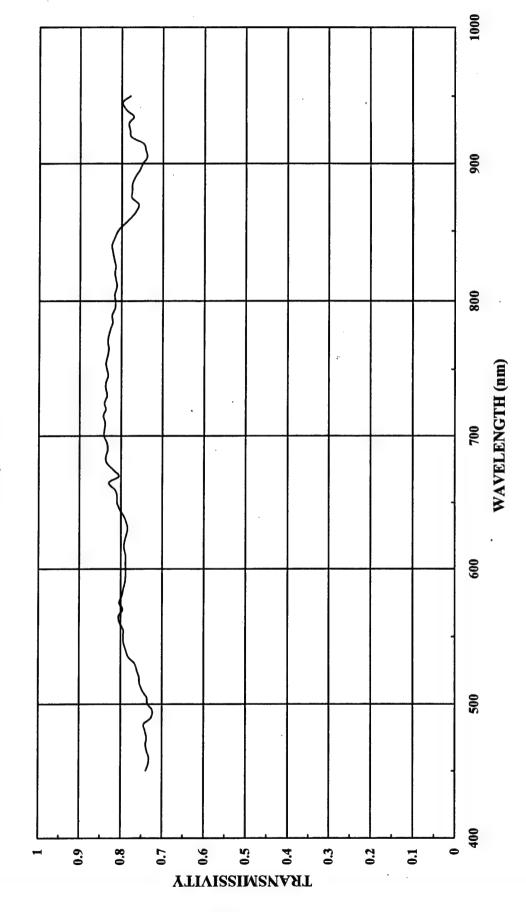
Material Type: N/A

Construction: N/A

Coating: ITO S243 Process Coating

F-18 WINDSCREEN (SIERRACIN, ITO, S243 PROCESS COATING, S/N#307)

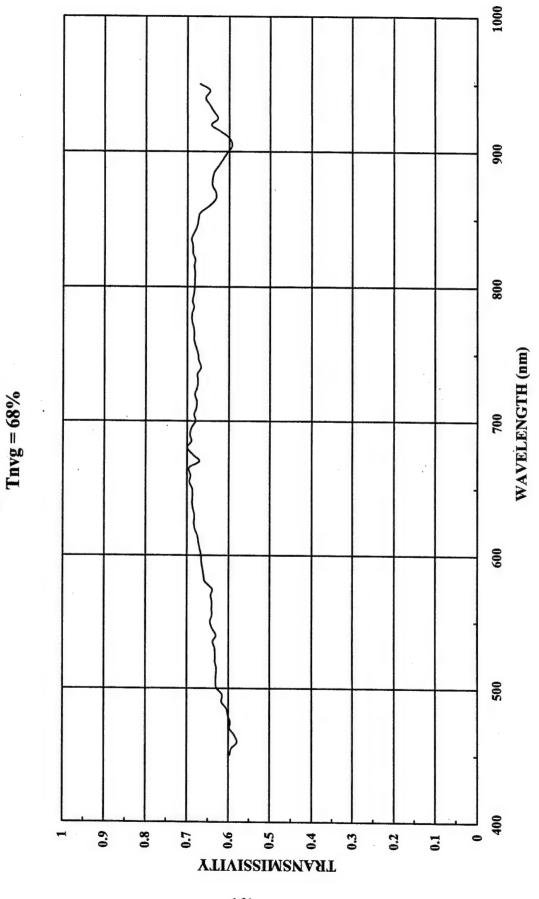




455 0.7334755 0.0001125 8.2 460 0.7317554 0.000123 9.00 465 0.7372401 0.0001375 0.00 470 0.739777 0.00015 0.00 475 0.7375886 0.00016172 0.00 480 0.7414966 0.000175 0.00 485 0.7441471 0.00019375 0.00 490 0.7268445 0.0002125 0.00 495 0.7236843 0.00022266 0.00 500 0.7350801 0.00027656 0.00 505 0.7365357 0.00027656 0.00 510 0.7467626 0.0003125 0.00 520 0.7556109 0.00034279 0.00 525 0.7603912 0.00041875 0.00 535 0.7814815 0.0004625 0.00 535 0.7814815 0.000550703 0.00 540 0.7875895 0.00055 0.00 545 0.7947883 0.	326E-05 516E-05 059E-05
RADIOMETRIC SPECTRAL SENSITIVIT SPECTRAL WAVELENGTH(nm) READING "NVIS A" RESPONSE 450 0.7393259 0.0001 7.39 455 0.7334755 0.0001125 8.2 460 0.7317554 0.000123 9.00 470 0.7327401 0.0001375 0.000 475 0.7375886 0.00016172 0.00 480 0.7414966 0.000175 0.00 485 0.7441471 0.00019375 0.00 490 0.7268445 0.0002125 0.00 495 0.7236843 0.0002125 0.00 500 0.7350801 0.0002375 0.00 505 0.7365357 0.00022766 0.00 510 0.7467626 0.0003125 0.00 515 0.7543623 0.00034279 0.00 520 0.7556109 0.0003425 0.00 525 0.7603912 0.0004625 0.00 535 0.7814815	516E-05
WAVELENGTH(nm) READING "NVIS A" RESPONSE 450 0.7393259 0.0001 7.39 455 0.7334755 0.0001125 8.2 460 0.7317554 0.000123 9.00 465 0.73772401 0.000137 0.001 470 0.739777 0.00015 0.00 475 0.7375886 0.00016172 0.00 480 0.7414966 0.000175 0.00 485 0.7441471 0.00019375 0.00 490 0.7268445 0.0002125 0.00 495 0.7236843 0.00022266 0.00 500 0.7350801 0.0002375 0.00 505 0.7365357 0.00027656 0.00 510 0.7467626 0.0003125 0.00 515 0.7543623 0.00034279 0.00 520 0.7556109 0.000375 0.00 525 0.7603912 0.00041875 0.00 535 0.7814815	516E-05
450 0.7393259 0.0001 7.39 455 0.7334755 0.0001125 8.2 460 0.7317554 0.000123 9.00 465 0.7372401 0.0001375 0.00 470 0.739777 0.00015 0.00 475 0.7375886 0.00016172 0.00 480 0.7414966 0.000175 0.00 485 0.7441471 0.00019375 0.00 490 0.7268445 0.0002125 0.00 495 0.7236843 0.00022266 0.00 500 0.7350801 0.0002375 0.00 505 0.7365357 0.00027656 0.00 510 0.7467626 0.0003125 0.00 515 0.7543623 0.00034279 0.00 520 0.7556109 0.000375 0.00 525 0.7603912 0.00041875 0.00 530 0.7666667 0.00041875 0.00 540 0.7875895 0.0005	516E-05
455 0.7334755 0.0001125 8.2 460 0.7317554 0.000123 9.00 465 0.7372401 0.0001375 0.000 470 0.739777 0.00015 0.000 475 0.7375886 0.00016172 0.000 480 0.7414966 0.000175 0.000 485 0.7441471 0.00019375 0.000 490 0.7268445 0.0002125 0.000 495 0.7236843 0.00022266 0.000 500 0.7350801 0.0002375 0.000 505 0.7365357 0.00027656 0.000 510 0.7467626 0.0003125 0.000 510 0.74476626 0.0003125 0.000 515 0.7543623 0.00034279 0.000 520 0.7556109 0.00034279 0.000 520 0.7556109 0.000375 0.000 525 0.7666667 0.00041875 0.000 535 0.7814815 0.00050703 0.000 540 0.7875895 0.000550 0.000 5545 0.7932584 0.0005073 0.000 5550 0.7947883 0.000625 0.000 5550 0.7947883 0.000625 0.000 5560 0.8033126 0.00075 0.000 5560 0.803668 0.00055 0.000 5570 0.7956989 0.000925 0.000 5575 0.8038461 0.0014525 0.000	516E-05
460 0.7317554 0.000123 9.00 465 0.7372401 0.0001375 0.000 470 0.739777 0.00015 0.000 475 0.7375886 0.00016172 0.000 480 0.7414966 0.000175 0.000 485 0.7441471 0.0001375 0.000 495 0.7268445 0.0002125 0.000 500 0.736843 0.00022266 0.000 500 0.7350801 0.0002375 0.000 500 0.7365357 0.00027656 0.000 515 0.7467626 0.0003125 0.000 515 0.7543623 0.00034279 0.000 520 0.756409 0.000375 0.000 520 0.7566067 0.00041875 0.000 535 0.7663912 0.00041875 0.000 535 0.7663912 0.00041875 0.000 535 0.7666667 0.0004625 0.000 540 0.7875895 0.000550 0.000 540 0.7875895 0.00055 0.000 555 0.7947883 0.00058359 0.000 555 0.7947883 0.000625 0.000 556 0.8033126 0.00075 0.000 557 0.8038461 0.00075 0.000 570 0.7956989 0.00095 0.000 570 0.7956989 0.00095 0.000 575 0.8038461 0.0014525 0.000	
465 0.7372401 0.0001375 0.00 470 0.739777 0.00015 0.00 475 0.7375886 0.00016172 0.00 480 0.7414966 0.000175 0.00 485 0.7441471 0.00019375 0.00 490 0.7268445 0.0002125 0.00 495 0.7236843 0.00022266 0.00 500 0.7350801 0.0002375 0.00 505 0.7365357 0.00027656 0.00 510 0.7467626 0.0003125 0.00 515 0.7543623 0.00034279 0.00 520 0.7556109 0.000375 0.00 525 0.7603912 0.00041875 0.00 530 0.7666667 0.00041875 0.00 535 0.7814815 0.00050703 0.00 540 0.7875895 0.00055 0.00 545 0.7932584 0.00058359 0.00 555 0.7947883 0	1154-115
470 0.739777 0.00015 0.001 475 0.7375886 0.00016172 0.00 480 0.7414966 0.000175 0.00 485 0.7441471 0.00019375 0.00 490 0.7268445 0.0002125 0.00 500 0.7350801 0.0002375 0.00 505 0.7365357 0.00027656 0.00 510 0.7467626 0.0003125 0.00 515 0.7543623 0.00034279 0.00 520 0.7556109 0.00034279 0.00 525 0.7603912 0.00041875 0.00 530 0.7666667 0.0004625 0.00 535 0.7814815 0.00050703 0.00 540 0.7875895 0.00055 0.00 545 0.7932584 0.00058359 0.00 555 0.7947883 0.000625 0.00 555 0.7940552 0.0007 0.00 560 0.8033126 0.00	
475 0.7375886 0.00016172 0.000 480 0.7414966 0.000175 0.000 485 0.7441471 0.00019375 0.000 490 0.7268445 0.0002125 0.000 495 0.7236843 0.00022266 0.000 500 0.7350801 0.0002375 0.000 505 0.7365357 0.00027656 0.000 510 0.7467626 0.0003125 0.000 515 0.7543623 0.00034279 0.000 520 0.7556109 0.000375 0.000 525 0.7603912 0.00041875 0.000 530 0.7666667 0.0004625 0.000 535 0.7814815 0.00050703 0.000 540 0.7875895 0.00050703 0.000 545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 566 0.805668 </td <td>0101371</td>	0101371
480 0.7414966 0.000175 0.000 485 0.7441471 0.00019375 0.000 490 0.7268445 0.0002125 0.000 495 0.7236843 0.00022266 0.000 500 0.7350801 0.0002375 0.000 505 0.7365357 0.00027656 0.000 510 0.7467626 0.0003125 0.000 515 0.7543623 0.00034279 0.000 520 0.7556109 0.000375 0.000 525 0.7603912 0.00041875 0.000 530 0.7666667 0.00041875 0.000 535 0.7814815 0.00050703 0.000 540 0.7875895 0.00050703 0.000 545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.00075 0.000 565 0.805668 <td>0110967</td>	0110967
485 0.7441471 0.00019375 0.00 490 0.7268445 0.0002125 0.00 495 0.7236843 0.00022266 0.00 500 0.7350801 0.0002375 0.00 505 0.7365357 0.00027656 0.00 510 0.7467626 0.0003125 0.00 515 0.7543623 0.00034279 0.00 520 0.7556109 0.000375 0.00 525 0.7603912 0.00041875 0.00 530 0.7666667 0.0004625 0.00 535 0.7814815 0.00050703 0.00 540 0.7875895 0.00055 0.00 545 0.7932584 0.00058359 0.00 550 0.7947883 0.000625 0.00 555 0.7940552 0.0007 0.00 565 0.805668 0.00075 0.00 570 0.7956989 0.000925 0.00 575 0.8038461 0.00145	
490 0.7268445 0.0002125 0.000 495 0.7236843 0.00022266 0.000 500 0.7350801 0.0002375 0.000 505 0.7365357 0.00027656 0.000 510 0.7467626 0.0003125 0.000 515 0.7543623 0.00034279 0.000 520 0.7556109 0.000375 0.000 525 0.7603912 0.00041875 0.000 530 0.7666667 0.0004625 0.000 535 0.7814815 0.00050703 0.000 540 0.7875895 0.00050703 0.000 545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.00075 0.000 570 0.7956989 0.000925 0.000 575 0.8038461 0.0014525 0.000 580 0.7975167	
495 0.7236843 0.00022266 0.000 500 0.7350801 0.0002375 0.000 505 0.7365357 0.00027656 0.000 510 0.7467626 0.0003125 0.000 515 0.7543623 0.00034279 0.000 520 0.7556109 0.000375 0.000 525 0.7603912 0.00041875 0.000 530 0.7666667 0.0004625 0.000 535 0.7814815 0.00050703 0.000 540 0.7875895 0.00055 0.000 545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.00075 0.000 570 0.7956989 0.000925 0.000 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	0144179
500 0.7350801 0.0002375 0.00 505 0.7365357 0.00027656 0.00 510 0.7467626 0.0003125 0.00 515 0.7543623 0.00034279 0.00 520 0.7556109 0.000375 0.00 525 0.7603912 0.00041875 0.00 530 0.7666667 0.0004625 0.00 535 0.7814815 0.00050703 0.00 540 0.7875895 0.00055 0.00 545 0.7932584 0.00058359 0.00 550 0.7947883 0.000625 0.00 555 0.7940552 0.0007 0.00 560 0.8033126 0.00075 0.00 570 0.7956989 0.000925 0.00 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	
505 0.7365357 0.00027656 0.000 510 0.7467626 0.0003125 0.000 515 0.7543623 0.00034279 0.000 520 0.7556109 0.000375 0.000 525 0.7603912 0.00041875 0.000 530 0.7666667 0.0004625 0.000 535 0.7814815 0.00050703 0.000 540 0.7875895 0.00055 0.000 545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.000775 0.000 565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.000 580 0.7975167 0.00198 0.000	
510 0.7467626 0.0003125 0.000 515 0.7543623 0.00034279 0.000 520 0.7556109 0.000375 0.000 525 0.7603912 0.00041875 0.000 530 0.7666667 0.0004625 0.000 535 0.7814815 0.00050703 0.000 540 0.7875895 0.00055 0.000 545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.00075 0.000 565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.000 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	
515 0.7543623 0.00034279 0.00 520 0.7556109 0.000375 0.00 525 0.7603912 0.00041875 0.00 530 0.7666667 0.0004625 0.00 535 0.7814815 0.00050703 0.00 540 0.7875895 0.00055 0.00 545 0.7932584 0.00058359 0.00 550 0.7947883 0.000625 0.00 555 0.7940552 0.0007 0.00 560 0.8033126 0.000775 0.00 565 0.805668 0.00085 0.00 570 0.7956989 0.000925 0.00 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	
520 0.7556109 0.000375 0.00 525 0.7603912 0.00041875 0.00 530 0.7666667 0.0004625 0.00 535 0.7814815 0.00050703 0.00 540 0.7875895 0.00055 0.00 545 0.7932584 0.00058359 0.00 550 0.7947883 0.000625 0.00 555 0.7940552 0.0007 0.00 560 0.8033126 0.00075 0.00 565 0.805668 0.00085 0.00 570 0.7956989 0.000925 0.00 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	
525 0.7603912 0.00041875 0.000 530 0.7666667 0.0004625 0.000 535 0.7814815 0.00050703 0.000 540 0.7875895 0.00055 0.000 545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.00075 0.000 565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.000 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.001	
530 0.7666667 0.0004625 0.000 535 0.7814815 0.00050703 0.000 540 0.7875895 0.00055 0.000 545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.00075 0.000 565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.000 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	0283354
535 0.7814815 0.00050703 0.000 540 0.7875895 0.00055 0.000 545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.00075 0.000 565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.000 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.001	
540 0.7875895 0.00055 0.000 545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.000775 0.000 565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.000 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	
545 0.7932584 0.00058359 0.000 550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.000775 0.000 565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.000 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	
550 0.7947883 0.000625 0.000 555 0.7940552 0.0007 0.000 560 0.8033126 0.000775 0.000 565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.000 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.000	0433174
555 0.7940552 0.0007 0.000 560 0.8033126 0.000775 0.000 565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.00 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	0462938
560 0.8033126 0.000775 0.000 565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.00 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	0496743
565 0.805668 0.00085 0.000 570 0.7956989 0.000925 0.00 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	0555839
570 0.7956989 0.000925 0.000 575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	0622567
575 0.8038461 0.0014525 0.00 580 0.7975167 0.00198 0.00	0684818
580 0.7975167 . 0.00198 0.00	
. 0.00100 0.00	
0.000	3747297
0.007	6167607
0.000	8990323
0.010	.011832
0.020200 0.07	2071995
0.002	1013502
000	0050239
0.110	3862863
0.07	1259303
0.70	1431759
0.000	3702019
0.000	0905998
0.00	2860072 0298896
0.72	
0.72	5901542 5170478
0.70	5170478 5498169
0.01001	8684539
0.0772	5117664
0.70	0111004
0.0210 0.11-	
0.0201	4530695
695 0.8345627 0.9448 0.786	

		A	COEFFICIENT)
			TRANSMISSION
	Invg(SUM/NVG):		(SPECTRAL
	Tnvg(SUM/NVG):		(SDECTD AT
	SUM:	39.80291148	
950	0.7792043	U	0
945 950		0	0
940		0	0
935		0	0
930		0.0069	0.005402472
925		0.015525	0.012115117
920		0.0276	0.021436227
915		0.043125	0.032267647
910	0.7425967	0.0621	0.046115255
905		0.11009	0.081381181
900		0.175	0.13115942
895		0.25704	0.194447418
890		0.3448	0.264985179
885		0.42523	0.329497587
880		0.5034	0.390155639
875		0.58016	0.450139646
870		0.6552	0.497608151
865		0.72848	0.556591429
860		0.80334	0.62091152
855		0.86334	0.685851282
850		0.9103	0.736223149
845		0.9172	0.748581218
840		0.9241	0.760962805
835		0.93402	0.767481619
830		0.9448	0.777627158
825		0.95515	0.777627158
820		0.97283	0.788555808
810 815		0.9793 0.97283	0.794861968 0.791860661
805		0.9862	0.805211984
795 800		0.9938 0.9931	0.810383477 0.809871163
790			0.818653505
790		0.9945	
· 780		0.9966 0.99543	0.823278304 0.81741795
775		0.99814	0.829471109
770			0.832615
765 770		1	0.8304721
760		1	0.8327273
755		1	0.8368108
750		1	0.8347297
745		0.99719	0.829562261
740		0.9931	0.831320832
735			0.826980511
730		0.9828	0.819626601
725			0.8235165
720			0.819566671
715		0.97304	0.82028644
710			0.809620218
705			0.805425977
700			0.800622193
	0.0440540	0.0545	0.0000000000

F-18 WINDSCREEN (SIERRACIN, ITO, S243 PROCESS COATING, S/N# 307) @ DESIGN EYE



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.596882	0.0001	5.96882E-05
455 460		0.0001125	6.67015E-05
465	0.5791506 0.5862709	0.000123 0.0001375	7.12355E-05 8.06122E-05
470	0.5978062	0.0001375	
			8.96709E-05
475 480	0.5951558	0.00016172	9.62486E-05
	0.6016667	0.000175	0.000105292
485	0.6048781	0.00019375	0.000117195
490	0.6165644	0.0002125	0.00013102
495	0.6157143	0.00022266	0.000137095
500	0.629055	0.0002375	0.000149401
505	0.6309013	0.00027656	0.000174482
510	0.630618	0.0003125	0.000197068
515	0.6293888	0.00034279	0.000215748
520	0.6329268	0.000375	0.000237348
525	0.6324582	· 0.00041875	0.000264842
530	0.6334134	0.0004625	0.000292954
535	0.6382211	0.00050703	0.000323597
540	0.6309662	0.00055	0.000347031
545	0.6403509	0.00058359	0.000373702
550	0.6447508	0.000625	0.000402969
555	0.6403326	0.0007	0.000448233
560	0.6408952	0.000775	0.000496694
565	0.6403941	0.00085	0.000544335
570	0.6431298	0.000925	0.000594895
575	0.6395891	0.0014525	0.000929003
580	0.6573557	0.00198	0.001301564
585	0.6602032	0.0047175	0.003114509
590	0.6628217	0.0078	0.005170009
595	0.6655629	0.0114	0.007587417
600	0.6664056	0.015	0.009996084
605	0.6697248	0.026263	0.017588982
610	0.6728827	0.052	0.0349899
615	0.6761363	0.088388	0.059762335
620	0.6822352	0.175	0.11939116
625	0.6837248	0.43288	0.295970791
630	0.6829268	0.6138	0.41918047
635	0.686166	0.67756	0.464918635
640	0.6877898	0.7448	0.512265843
645	0.686884	0.82458	0.566390809
650	0.688351	0.8897	0.612425885
655	0.6945071	0.89654	0.622653395
660	0.6918138	0.9034	0.624984587
665	0.6955556	0.91051	0.633310329
670	0.6710526	0.9172	0.615489445
675	0.6855754	0.92241	0.632381605
680	0.7001621	0.9276	0.649470364
685	0.6897507	0.93254	0.643220118
690	0.6934132	0.9379	0.65035224

			COEFFICIENT)
	<u> </u>		TRANSMISSION
		0.070330713	3
,	Tnvg(SUM/NVG):		(SPECTRAL
	SUM:	33.03467648	
950	0.67	0	0
945 950		0	0
940	4.444.141	0	0
935		0	0
930		0.0069	0.00440625
925		0.015525	0.009752886
920		0.0276	0.017747678
915		0.043125	0.026826583
910		0.0621	0.037343916
905		0.11009	0.065307634
900		0.175	0.105430325
895		0.25704	0.157604796
890		0.3448	0.215656746
885		0.42523	0.270600894
880		0.5034	0.322402228
875		0.58016	0.371582849
870		0.6552	0.41470753
865		0.72848	0.460834044
860	0.6459709	0.8	0.51677672
855	0.6691729	0.86334	0.577723731
850	0.6742243	0.9103	0.61374638
845	0.6765715	0.9172	0.62055138
840		0.9241	0.632490727
835		0.93402	0.645035987
830		0.9448	0.649128619
825		0.95515	0.65607219
820		0.9655	0.658081807
815		0.97283	0.665472144
810		0.9793	0.66812057
805		0.9862	0.672861972
800		0.9931	0.67854342
795		0.9938	0.680150857
790		0.9945	0.684130374
785		0.99543	0.681124968
780	0.6889055	0.9966	0.686563221
775		0.99814	0.687607467
770	0.6851722	1	0.6851722
765		1	0.6835443
760		1	0.6839858
755		1	0.6785714
750		1	0.6746269
745		0.99719	0.671141678
740		0.9931	0.662845588
735		0.98838	0.66823245
730		0.9828	0.663058403
725		0.9802	0.663162054
720		0.9793	0.668004131
715		0.97304	0.655383814 0.659397
710		0.9655	. 0.655580117
705		0.9517 0.9586	0.647402966
700		0.9448	0.651317248
695	0.6893705	0.0440	0.054047040

Aircraft: F-18

Part Name: Windscreen, SWEDLOW

Manufactured: N/A

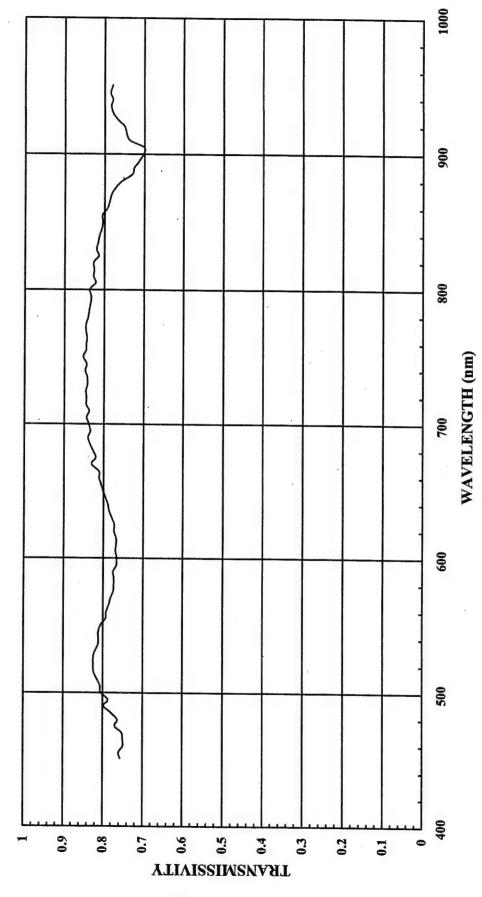
S/N# 126

Material Type: N/A

Construction: N/A

Coating: Night Attack Acrylic

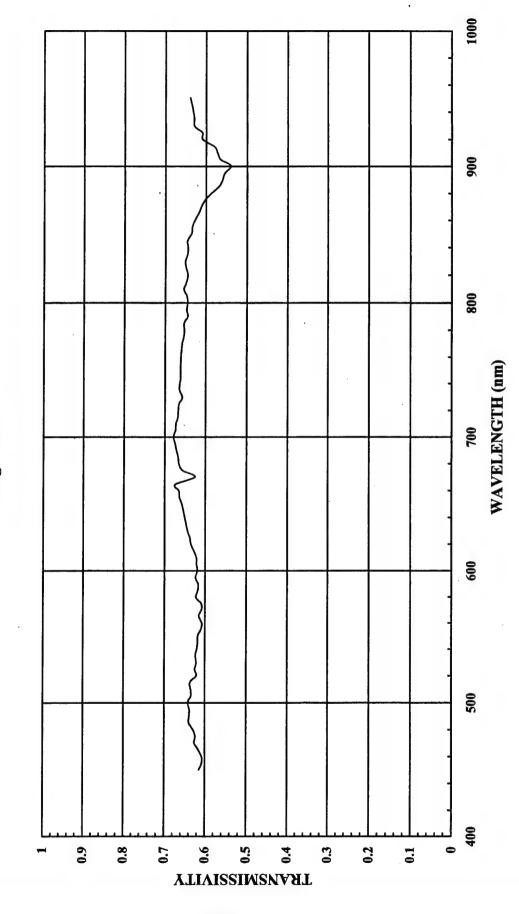
F-18 WINDSCREEN (SWEDLOW, NIGHT ATTACK ACRYLIC, S/N# 126) @ NORMAL Thyg = 82%



	SPECTRA-	RELATIVE	NVG ·
, , , , , , , , , , , , , , , , , , , ,	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.7566137	0.0001	7.56614E-05
455	0.7604938	0.0001125	8.55556E-05
460	0.75	0.000123	0.00009225
465	0.7505471	0.0001375	0.0001032
470	0.7531915	0.00015	0.000112979
475	0.7703252	0.00016172	0.000112577
480	0.7637795	0.000175	0.00012467
485	0.7807692	0.00019375	0.000153301
490	0.7985612	0.0002125	0.000151274
495	0.7872697	0.0002123	0.000109094
500	0.8052805	0.00022200	0.000173293
505	0.8066667	0.0002375	0.000191254
510	0.81445	0.0003125	0.000254516
515	0.8231707	0.00034279	0.000282175
520	0.8243626	0.000375	0.000309136
525	0.8248276	0.00041875	0.000345397
530	0.8217271	0.0004625	0.000380049
535	0.8131101	0.00050703	0.000412271
540	0.811245	0.00055	0.000446185
545	0.8122606	0.00058359	0.000474027
550	0.8054187	0.000625	0.000503387
555	0.793765	0.0007	0.000555636
560	0.7924529	0.000775	0.000614151
565	0.785877	0.00085	0.000667995
570	0.7817982	0.000925	0.000723163
575	0.7754881	0.0014525	0.001126396
580	0.7738478	0.00198	0.001532219
585	0.7738853	0.0047175	0.003650804
590	0.7756147	0.0078	0.006049795
595	0.7673078	0.0114	0.008747309
600	0.767148	0.015	0.01150722
605	0.7696382	0.026263	0.020213008
610	0.7686833	0.052	0.039971532
615	0.7682363	0.088388	0.06790287
620	0.773855	0.175	0.135424625
625	0.7729885	0.43288	0.334611262
630	0.7789276	0.6138	0.478105761
635	0.7864864	0.67756	0.532891725
640	0.7893357	0.7448	0.587897229
645	0.7949827	0.82458	0.655526835
650	0.8017316	0.8897	0.713300605
655	0.8064791	0.89654	0.723040772
660	0.8114754	0.9034	0.733086876
665	0.8111824	0.91051	0.738589687
670	0.8301887	0.9172	0.761449076
675	0.82	0.92241 0.9276	0.7563762

			COEFFICIENT)
			TRANSMISSION
	III-6(BOM/II + G).	0.820932981	(SPECTRAL
	Tnvg(SUM/NVG):		
	SUM:	39.97919591	
900	0.7197834	0	0
945	-1.00-010	0	
940 945	3	0	
935		0	
930		. 0.0069	0.005375582
925		0.015525	0.011902501
920		0.0276	
915	0.7455919	0.043125	
910	0.736715	0.0621	
905		0.11009	
900		0.25704	
895		0.3448 0.25704	
890		0.42523	
885		0.5034	
. 880		0.58016	
870 875		0.6552	
865		0.72848	
860		0.8	1.55.55.51
855		0.86334	0.695402585
850		0.9103	
845		0.9172	
840		0.9241	
835	0.8157589	0.93402	
830	0.8199105	0.9448	
. 825	0.8144105	0.95515	
820		0.9655	
815		0.97283	
810		0.9793	
805		0.9931 0.9862	
800		0.9938	
795		0.9945	0.02007.0100
785 790		0.99543	0.0001 (001-1
780		0.9966	
775		0.99814	0.844027284
770		1	0.8461539
765		1	
760		1	
755		1	
750	0.852349	1	
745		0.99719	
740		0.9931	
735		0.98838	
730		0.9828	
725		0.9802	
720		0.97304 0.9793	
715		. 0.9655	7.000001
710		0.9586	0,000110100
700		0.9517	
695		0.9448	
690		0.9379	0.787434766
	0.834891	0.93254	

F-18 WINDSCREEN (SWEDLOW, NIGHT ATTACK ACRYLIC, S/N# 126) a DESIGN EYE Thog = 65%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
	•		ACOT ONGE
450	0.6149732	0.0001	6.14973E-0
455	0.6078431	0.0001125	
460			7.47196E-0
465	0.616408	0.0001375	
470		0.00015	
475		0.00016172	0.00010090
480	0.6284585		0.0001099
485	0.6398468	0.00019375	0.0001239
490		0.0002125	0.00013578
495		0.00022266	0.0001421
. 500	0.6421404	0.0002375	0.00015250
505	0.6342282	0.00027656	0.00017540
510	0.6351576	0.0003125	0.00019848
515	0.6365031	0.00034279	0.00021818
520			0.00023290
525		0.00041875	0.00026179
530		0.0004625	0.00028751
535	0.6239437	0.00050703	0.00031635
540	0.6202703	0.00055	0.00034114
545	0.6185567	0.00058359	0.00036098
550		0.000625	0.00038627
555	0.6101695	0.0007	0.00042711
560		0.000775	0.00047125
565	0.6153846	0.00085	0.00052307
570	0.6092715	0.000925	0.00056357
575	0.6095445	0.0014525	0.00088536
580	0.6225596	0.00198	0.00123266
585	0.6181818	0.0047175	0.00291627
590	0.6170431	0.0078	0.00481293
595	0.6236664	0.0114	0.00710979
600	0.619349	0.015	0.00929023
605	0.6214539	0.026263	0.01632124
610	0.6215246	0.052	0.03231927
615	0.6273234	0.088388	0.05544786
620	0.6353167	0.175	0.11118042
625	0.6383799	0.43288	0.27634189
630	0.6437323	0.6138	0.39512288
635	0.6479129	0.67756	0.43899986
640	0.6511424	0.7448	0.4849708
645	0.6541812	0.82458	0.53942473
650	0.6582389	0.8897	0.58563514
655	0.6643894	0.89654	0.59565167
660	0.6654446	0.9034	0.60116265
665	0.6746765	0.91051	0.614299
670	0.6257669	0.9172	0.57395340
675	0.6563636	0.92241	0.60543634

	865 870 875 880 885 890 905 910 915 920 925 930 935 940 945	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839		0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108
	870 875 880 885 890 905 910 915 920 925 930 935 940 945	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527 0.6096257 0.6100278 0.6290801 0.6296296 0.6322581 0.6397058 SUM:	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621 0.043125 0.0276 0.015525 0.0069 0 0 0	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108 0.016836767 0.009766469 0.004344444 0 0 0 0 0 0 0 0 (SPECTRAL
	870 875 880 885 890 905 910 915 920 925 930 935 940 945	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527 0.6096257 0.6100278 0.6290801 0.6296296 0.6322581 0.6397058 SUM:	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621 0.043125 0.0276 0.015525 0.0069 0 0 0	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108 0.016836767 0.009766469 0.004344444 0 0 0 0
	870 875 880 885 890 905 910 915 920 925 930 935 940 945	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527 0.6096257 0.6100278 0.6290801 0.6296296 0.6322581 0.6397058	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621 0.043125 0.0276 0.015525 0.0069 0 0	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108 0.016836767 0.009766469 0.004344444
	870 875 880 885 890 905 910 915 920 925 930 935 940	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527 0.6096257 0.6100278 0.6290801 0.6296296 0.6322581 0.6351351	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621 0.043125 0.0276 0.015525 0.0069 0	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108 0.016836767 0.009766469 0.004344444
	870 875 880 885 890 905 910 915 920 925 930 935 940	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527 0.6096257 0.6100278 0.6290801 0.6296296 0.6322581 0.6351351	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621 0.043125 0.0276 0.015525 0.0069 0	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108 0.016836767 0.009766469 0.004344444
	870 875 880 885 890 905 910 915 920 925 930 935 940	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527 0.6096257 0.6100278 0.6290801 0.6296296 0.6322581 0.6351351	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621 0.043125 0.0276 0.015525 0.0069	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108 0.016836767 0.009766469 0.004344444
	870 875 880 885 890 905 910 915 920 925 930 935	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527 0.6096257 0.6100278 0.6290801 0.6296296 0.6322581	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621 0.043125 0.0276 0.015525 0.0069	0.341627332 0.28630281 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108 0.016836767 0.009766469 0.004344444
	870 875 880 885 890 905 910 915 920 925 930	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527 0.6096257 0.6100278 0.6290801 0.6296296	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621 0.043125 0.0276 0.015525	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108 0.016836767 0.009766469
	870 875 880 885 890 895 900 905 910 915 920	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527 0.6096257 0.6100278	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621 0.043125 0.0276	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108 0.016836767
	870 875 880 885 890 895 900 905 910 915	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527 0.6096257	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621 0.043125	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254 0.036027483 0.026290108
	870 875 880 885 890 895 900 905 910	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638 0.5801527	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009 0.0621	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254
	870 875 880 885 890 895 900 905	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162 0.5724638	0.58016 0.5034 0.42523 0.3448 0.25704 0.175 0.11009	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335 0.06302254
	870 875 880 885 890 895 900	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406 0.5651162	0.58016 0.5034 0.42523 0.3448 0.25704 0.175	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556 0.098895335
	870 875 880 885 890 895	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555 0.5405406	0.58016 0.5034 0.42523 0.3448 0.25704	0.341627332 0.28630281 0.238334569 0.191555536 0.138940556
	870 875 880 885 890 895	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839 0.5555555	0.58016 0.5034 0.42523 0.3448	0.341627332 0.28630281 0.238334569 0.191555536
	870 875 880 885 890	0.6121795 0.6030151 0.5888502 0.5687382 0.5604839	0.58016 0.5034 0.42523	0.341627332 0.28630281 0.238334569
	870 875 880 885	0.6121795 0.6030151 0.5888502 0.5687382	0.58016 0.5034	0.341627332 0.28630281
	870 875 880	0.6121795 0.6030151 0.5888502	0.58016	0.341627332
	870 875	0.6121795 0.6030151		
	870	0.6121795	N 6552	
			0.72040	0.395095494
	265	0.0103200	0.72848	0.445960522
	900	0.628447	0.80334	0.49465648
	855 860	0.634349 0.628447	0.9103 0.86334	0.577447895 0.542563433
	850		0.9172	
+.	845		0.9241	0.597398029 0.58312054
	840	0.6447689	0.93402	0.602227048
	835	0.646028	0.9448	0.610367254
	830	0.6515837	0.95515	0.622360171
	825	0.6490067	0.9655	0.626615969
	820	0.6453362	0.97283	0.627802415
	815	0.6491979	0.9793	0.635759503
	810	0.6549948	0.9862	0.645955872
	805		0.9931	0.643014374
	800		0.9938	0.641388681
	795		0.9945	0.644296671
	790		0.99543	0.641826786
	785		0.9966	
	780		0.99814	
	775		1	0.6548672
	770	0.658805	1	0.658805
	765		1	0.6603475
	760		ī	0.6613291
	750		1	0.6619128
	745		0.99719	
	740		0.9931	
	735	the state of the s	0.98838	
	730		0.9828	
	725		0.9802	
	720		0.9793	
	715		0.97304	
	710		0.9655	0.650126859
	705	0.6744639	0.9586	0.646541095
	700		0.9517	0.646475439
	695		0.9448	
	690		0.9379	
	685	<u> </u>	0.93254	
	680	0.6655462	0.9276	0.617360655

Aircraft: F-18

Part Name: Windscreen, SWEDLOW

Manufactured: N/A

S/N# 077

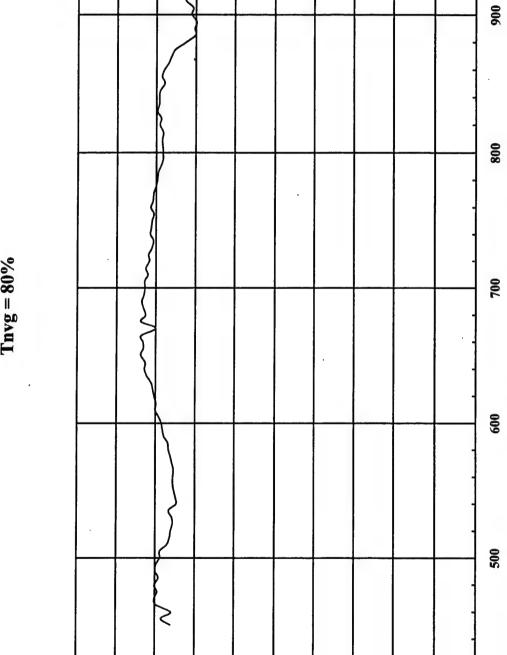
Material Type: N/A

Construction: N/A

Coating: Night Attack Acrylic

F-18 WINDSCREEN (SWEDLOW, NIGHT ATTACK ACRYLIC, S/N#077)





1000

WAVELENGTH (nm)

400

0.2

6.0

9.0

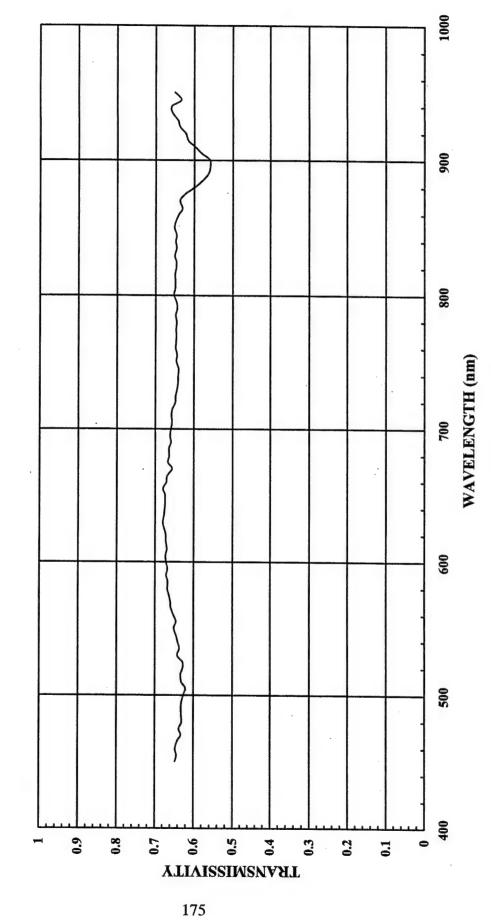
0.7

YTIVISSIMSNAAT % % %

	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVIT	
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450		0.0001	7.60526E-05
455		0.0001	
460		0.0001123	8.82735E-05
465		0.000123	9.33581E-05
470		0.0001373	0.000109698
475		0.00016	0.000120192
480	0.8011811	0.00016172	0.000128454
485	0.7916666	0.000175	0.000140207
490	0.7992831		0.00015338
495	0.7979798	0.0002125	0.000169848
500	0.7880794	0.00022266	0.000177678
505		0.0002375	0.000187169
510	0.78798	0.00027656	0.000217924
	0.7703583	0.0003125	0.000240737
515	0.7628399	0.00034279	0.000261494
520	0.7606232	0.000375	0.000285234
525	0.7561644	0.00041875	0.000316644
530	0.7569832	0.0004625	0.000350108
535	0.7657784	0.00050703	0.000388273
540	0.7469879	0.00055	0.000410843
545	0.7487245	0.00058359	0.000436948
550	0.7530712	0.000625	0.00047067
555	0.7553957	0.0007	0.000528777
. 560	0.7555817	0.000775	0.000585576
565	0.7539682	0.00085	0.000640873
570	0.7576754	0.000925	0.00070085
575	0.7615467	0.0014525	0.001106147
580	0.7663451	0.00198	0.001517363
585	0.7680085	0.0047175	0.00362308
590	0.7781186	0.0078	0.006069325
595	0.7817308	0.0114	0.008911731
600	0.7854578	0.015	0.011781867
605	0.7922875	0.026263	0.020807847
610	0.8007149	0.052	0.041637175
615	0.7985213	0.088388	0.070579701
620	0.8034351	0.175	0.140601143
625	0.8072519	0.43288	0.349443202
630	0.8112149	0.6138	0.497923706
635	0.8234234	0.67756	0.557918759
640	0.8290973	0.7448	0.617511669
645	0.8268734	0.82458	0.681823268
650	0.8383752	0.8897	0.745902415
655	0.8323455	0.89654	0.746231035
660	0.8330308	0.9034	0.752560025
665	0.8379121	0.91051	0.762927346
670	8.0	0.9172	0.73376
675	0.8382353	0.92241	0.773196623
680	0.8266667	0.9276	0.766816031

				TRANSMISSION
		- 2.5(00112/11 0)	U.UUL. UUUU	
		Tnvg(SUM/NVG):		(SPECTRAL
		SUM:	39.09487841	
	950	0.7992701	0	(
	945	0.78	0	
	940	0.7898089	0	
	935		0	
	930	0.7725947	0.0069	0.005330903
	925		0.015525	0.011978899
	920		0.0276	
	915		0.043125	
	910	0.7243902	0.0621	0.044984631
	905	0.7069767	0.11009	
	900	0.6985138	0.25704	
	<u>890</u>		0.3448	0.24245898
	885		0.42523 0.3448	0.298140574 0.242458981
	880	0.7264808	0.5034	0.365710435
	875	0.7516556	0.58016	0.436080513
	870	0.7611465	0.6552	0.498703187
	865	0.7699248	0.72848	0.560874818
	860		. 0.8	0.62439024
	855	0.7857143	0.86334	0.678338584
-	850		. 0.9103	0.709075818
	845		0.9172	0.72525462
	840		0.9241	0.732137169
	835		0.93402	0.740699623
	830	0.7970852	0.9448	0.753086097
	825		0.95515	0.75235131
	820		0.9655	0.76404968
	810 815		0.97283	0.761345222
	805		0.9862 0.9793	0.773213147
	800		0.9931	0.7775973 0.773213147
	795		0.9938	0.77858833
	790		0.9945	0.7844073
	785	<u> </u>	0.99543	0.79164119
	780		0.9966	0.794966194
	775		0.99814	0.799786628
	770	0.8068804	1	0.8068804
	765		1	0.8082942
	760		1	0.813749
	755		1	0.8055329
	750		· 1	0.8105178
	745		0.99719	0.810596608
	740		0.9931	0.80919267
	735		0.98838	
	730		0.9828	0.79717836
	720 725		0.9793 0.9802	
	715		0.97304	0.803815694
	710		0.9655	
	705		0.9586	
	700		0.9517	0.788296822
	695	0.8311688	0.9448	0.785288282
	690		0.9379	0.784516866
	685	0.8322981	0.93254	0.77615127

F-18 WINDSCREEN (SWEDLOW, NIGHT ATTACK ACRYLIC, S/N# 077) @ DESIGN EYE Tnvg = 65%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.6472148	0.0001	6.47215E-05
455	0.6433915	0.0001125	7.23815E-0
460	0.6465116	0.000123	7.95209E-0
465	0.6415929	0.0001375	8.8219E-0
470	0.6322581	0.00015	9.48387E-0
475	0.6372951	0.00016172	0.00010306
480	0.6302187	0.000175	0.00011028
485	0.6309751	0.00019375	0.000110215
490	0.631295	0.0002125	0.00012223
495	0.6306913	0.00022266	0.00013413
500	0.6252073	0.00022200	0.0001404
505	0.6204013	0.0002373	0.00014848
510	0.6306157	0.00027656	0.000171576
515	0.6330275	0.0003125	0.00019706
520	0.6278409	0.00034279	
525	0.6277778	0.000375	0.00023544
530	0.6413502	0.00041875	0.000262883
535	0.636236	0.0004625	0.000296624
	0.6405405		0.00032259
540 545		0.00055	0.000352297
550	0.6444159 0.6505576	0.00058359	0.000376078
555	0.645006	0.000625	0.000406599
. 560	0.6509434	0.0007 0.000775	0.000451504
565	0.6583144	0.000775	0.00050448
570	0.6596686		0.000559567
575	0.6630435	0.000925 0.0014525	0.000610193
. 580	0.6673843	0.0014525	0.000963071 0.001321421
585	0.6666666	0.0047175	
590	0.6707693	0.0047173	0.003145 0.00523200
595	0.6676301	0.0114	0.007610983
600	0.6714802	0.0114	0.010072203
605	0.6725507	0.026263	0.017663199
610	0.6690519	0.052	0.034790699
615	0.6719626	0.088388	0.05939343
620	0.6720998	0.175	0.117617465
625	0.6762452	0.43288	0.292733022
630	0.6798867	0.6138	0.417314456
635	0.676311	0.67756	0.458241281
640	0.6748682	0.7448	0.502641835
645	0.6741964	0.82458	0.555928868
650	0.673932	0.8897	0.5995973
655	0.6795201	0.89654	0.5995973
660	0.6795201	0.9034	
665	0.6688191	0.91051	0.605848316 0.608966479
670	0.656051	0.9172	
675	0.666666	0.9172	0.601729977 0.614939939
680	0.6632996	0.9276	0.615276709

			COEFFICIENT)
			TRANSMISSION
	6(001111110).	0.04900949	
	Tnvg(SUM/NVG):		(SPECTRAL
The state of the s	SUM:	31.63307341	
330	0.03	U	0
950	0.6529966	0	0
945	0.6329966	0	0
935	0.6563467 0.6580645	0	0
930 935		0.0069	0.004431379
925		0.015525	0.00988743
920		0.0276	0.017176595
915		0.043125	0.026538461
910		0.0621	0.037106663
905		0.11009	0.063981721
900		0.175	0.098094185
895		0.25704	0.143898472
890		0.3448	0.194645151
885		0.42523	0.245760275
` 880	0.0000	0.5034	0.302744055
875		0.58016	0.36223682
870		0.6552	0.416850034
865		0.72848	0.458997182
860		0.8	0.51213872
855		0.86334	0.558842486
850		0.9103	0.592417414
845		0.9172	0.591519156
. 840		0.9241	0.598209666
835		0.93402	0.602453735
830		0.9448	0.61396099
825		0.95515	0.616735961
820		0.9655	0.623813315
815		0.97283	0.631504423
810	0.0.000	0.9793	0.634787352
805		0.9862	0.639916186
800		0.9931	0.647279441
795		0.9938	0.64106828
790		0.9945	0.639979148
785		0.99543	0.644617673
780		0.9966	0.642326938
775		0.99814	0.645149087
770		1	0.645768
765		1	0.6462264
760		1	0.6472
755		. 1	0.6435563
750		1	0.6454317
745		0.99719	0.637504863
740		0.9931	0.635971011
735		0.98838	0.633404311
730		0.9828	0.632453815
725		0.9802	0.634247036
720		0.9793	0.634150416
715		0.97304	0.638184728
710		0.9655	0.63484927
705	0.6563107	0.9586	0.629139437
700		0.9517	0.627143272
695		0.9448	0.62502148
690		0.9379	0.618132749
685	0.6640502	0.93254	0.619253374

Aircraft: F-18

Part Name: Windscreen, SWEDLOW

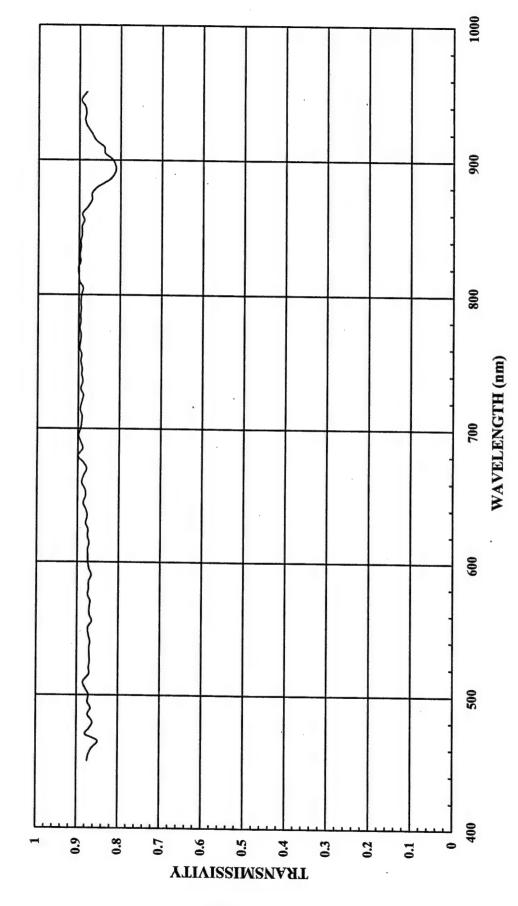
Manufactured: N/A

S/N# 331

Material Type: N/A

Construction: N/A

F-18 WINDSCREEN (SWEDLOW, S/N# 331) @ NORMAL Thvg = 89%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.8743315	0.0001	8.74332E-05
455	0.8712872	0.0001125	9.80198E-05
460		0.000123	0.000106279
465	0.8495575	0.0001375	0.000116814
470	0.8787879	0.00015	0.000131818
475	0.8688525	0.00016172	0.000140511
480	0.8619329	0.000175	0.000150838
485	0.8733206	0.00019375	0.000169206
490	0.8666667	0.0002125	0.000184167
495	0.8739352	0.00022266	0.00019459
500	0.8714525	0.0002375	0.00020697
505	0.879661	0.00027656	0.000243279
510	0.8849999	0.0003125	0.000276562
515	0.8709677	0.00034279	0.000276552
520	0.8714285	0.00037273	0.000236786
525	0.8694444	0.000373	0.000320708
530	0.8700565	0.00041675	0.00030402
535	0.8704225	0.00050703	0.00044133
540	0.8683854	0.00055	0.000477612
545	0.8724227	0.00058359	0.000509137
550	0.8734491	0.000625	0.000545906
555	0.8645707	0.0007	0.000545900
560	0.8703923	0.000775	0.000674554
565	0.8705614	0.00085	0.000739977
570	0.8685083	0.000925	0.00080337
575	0.8744541	0.0014525	0.001270145
580	0.8722944	0.00198	0.001727143
585	0.8724544	0.0047175	0.004115804
590	0.8662551	0.0078	0.00675679
595	0.8718447	0.0114	0.00993903
600	0.8747731	0.015	0.013121597
605	0.874778	0.026263	0.022974295
610	0.8754513	0.052	0.045523468
615	0.8719626	0.088388	0.07707103
620	0.8756027	0.175	0.153230473
625	0.8745173	0.43288	0.378561049
630	0.8802282	0.6138	0.540284069
635	0.8765881	0.67756	0.593941033
640	0.8798587	0.7448	0.65531876
645	0.8862642	0.82458	0.730795734
650	0.8807659	0.8897	0.783617421
655	0.8827055	0.89654	0.791380789
660	0.8903226	0.9034	0.804317437
665	0.8869323	0.91051	0.807560728
670	0.8789809	0.9172	0.806201281
675	0.8868275	0.92241	0.818018554
680	0.9	0.9276	

		SUM: Tnvg(SUM/NVG):	43.28462736 0.888828378	(SPECTRAL TRANSMISSION
			0.888828378	
		CITAT.		
We would be assessed that the expension of the second states of the second states and the second states are the second states and the second states are the second states and the second states are th				
	950	0.8817205	0	0
	945	0.8952703	0	0
	940	0.8867314	0	0
	935	0.8834356	0	0
	930	0.8859649	0.0069	0.006113158
	925	0.8808864	0.015525	0.013675761
	920	0.8709677	0.0276	0.024038709
	915		0.043125	0.037074295
	910		0.0621	0.052199999
	905		0.175	0.14342986 0.092216569
	900		0.25704 0.175	0.208572692
	895		0.3448	0.281049687
	890		0.42523	0.351803197
	885		0.5034	0.431234237
	880		0.58016	0.504486946
	870 875		0.6552	0.56992002
	865		0.72848	0.641415057
	860		0.8	0.7140784
	855		0.86334	0.766229099
	850		0.9103	0.81358818
	845	0.00001711	0.9172	0.81901108
	840		0.9241	0.828774095
	835	0.8953488	0.93402	0.836273686
	830		0.9448	0.849043292
	825	0.00.000	0.95515	0.856050513
	820		0.9655	0.870739844
	815		0.97283	0.880155962 0.875755769
	810		0.9862 0.9793	0.877525001
	805	0.000.2.7	0.9931	0.887558
	800		. 0.9938	0.889797637
	790 795		0.9945	0.889330233
	785 790		. 0.99543	0.891666078
	780		0.9966	0.892131106
	775		0.99814	0.89615784
	770		1	0.8944883
	765		1	0.895899
	760	0.8978279	1	0.8978279
	755		1	0.8925349
	750		0.557 15	0.8947812
	745		0.99719	0.888723749
	740		0.9931	0.879124574 0.886191593
	735		0.98838	0.878817696
	730		0.9802 0.9828	0.870278706
	725		0.9793	0.872980729
	720		0.97304	0.871289791
	710 715		0.9655	0.860381477
	705		0.9586	0.854891846
	700		0.9517	0.850837787
	695		0.9448	0.84941148
	690		0.9379	0.837772891
	685	0.8883648	0.93254	0.828435711

1000 900 F-18 WINDSCREEN (SWEDLOW, S/N#331) @ DESIGN EYE Trvg = 75% 800 WAVELENGTH (nm) 009 200 9.0 0.5 6.0 8.0 0.4 0.7 0.7 0.3 0.1 TRANSMISSIVITY

	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
VAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.736	0.0001	0.0000736
455	0.7412935		8.33955E-0
460	0.7373272	0.000123	9.06912E-0
465	0.7422222	0.000125	
470	0.7234043	0.00015	
475	0.7265306	0.00016172	
480	0.7380952	0.0001772	
485	0.7394636	. 0.00019375	
490	0.7264653	0.00019373	
495	0.7364865	0.0002123	
500	0.7409241	0.00022200	
505	0.7491639	0.0002375	0.00017596
510	0.7314662	0.00027636	
515	0.7454268	0.0003125	
520	0.7365439	0.00034279	
525	0.732687	0.000375	
530	0.7328672		
535	0.7353761	0.0004625	0.00033895
540	0.7379032	0.00050703	0.00037285
545	0.7410256	0.00055	0.00040584
550	0.7371008	0.00058359	0.00043245
555	0.7371008	0.000625	0.000460688
560	0.7417453	0.0007	0.00051530
565	0.7414966	0.000775	0.000574853
570	0.7357456	0.00085	0.00063027
575	0.7413794	0.000925	0.00068056
580	0.7381974	0.0014525	0.001076854
585	0.7407014	0.00198	0.00146163
590	0.7357723	0.0047175	0.003494259
595	0.7408829	0.0078	0.005739024
600	0.7363718	0.0114	0.008446068
605	0.7411972	0.015	0.011045577
610	0.7366071	0.026263	0.019466062
615	0.7407408	0.052	0.038303569
620	0.7428299	0.088388	0.065472598
625	0.7419047	0.175	0.129995233
630	0.741573	0.43288	0.321155707
635	0.7502254	0.6138	0.455177507
640	0.7443083	0.67756	0.508322722
645	0.748477	0.7448	0.554360822
650	0.7471764	0.82458	0.617179165
655	0.7527707	0.8897	0.664762843
660	0.7527707	0.89654	0.674889043
665	0.7486239	0.9034	0.678579424
670	0.754717	0.91051	0.681629547
675	0.7504521	0.9172 0.92241	0.692226432 0.692224522
0/0	U./ 3U43Z1	0.92241	0.600004600

915 920 925 930 935 940 945 950 451	0.735849 0.7359551 0.7463557 0.749226 0.7320261 0.7290969	0.0276 0.015525 0.0069 0 0 0 0 36.3118144	0.020309432 0.011425703 0.005149854 0 0 0 0 0 (SPECTRAL TRANSMISSION
920 925 930 935 940 945 950	0.735849 0.7359551 0.7463557 0.749226 0.7320261 0.7290969 0.7418182 0.7401575	0.0276 0.015525 0.0069 0 0 0 0 36.3118144	0.011425703 0.005149854 0 0 0 0 0
920 925 930 935 940 945 950	0.735849 0.7359551 0.7463557 0.749226 0.7320261 0.7290969 0.7418182 0.7401575	0.0276 0.015525 0.0069 0 0 0 0 36.3118144	0.011425703 0.005149854 0 0 0 0 0
920 925 930 935 940 945 950	0.735849 0.7359551 0.7463557 0.749226 0.7320261 0.7290969 0.7418182	0.0276 0.015525 0.0069 0 0	0.011425703 0.005149854 0 0 0
920 925 930 935 940 945 950	0.735849 0.7359551 0.7463557 0.749226 0.7320261 0.7290969 0.7418182	0.0276 0.015525 0.0069 0 0	0.011425703 0.005149854 0 0 0
920 925 930 935 940 945	0.735849 0.7359551 0.7463557 0.749226 0.7320261 0.7290969	0.0276 0.015525 0.0069 0 0	0.011425703 0.005149854 0 0 0
920 925 930 935 940	0.735849 0.7359551 0.7463557 0.749226 0.7320261	0.0276 0.015525 0.0069 0	0.011425703 0.005149854 0 0
920 925 930 935	0.735849 0.7359551 0.7463557 0.749226	0.0276 0.015525 0.0069 0	0.011425703 0.005149854 0
920 925 930	0.735849 0.7359551 0.7463557	0.0276 0.015525 0.0069	0.011425703
920 925	0.735849 0.7359551	0.0276 0.015525	0.011425703
920	0.735849	0.0276	
			A
	0.7063201	0.043125	0.030460442
			0.04336423
			0.074758794
900	0.6832579	0.175	0.119570133
		0.25704	0.170635439
			0.23102293
			0.28889675
			0.35653813
			0.47262039
			0.540270854 0.472620396
			0.5910014
			0.64184865
		0.9103	0.680904
		0.9172	0.69400304
	0.7512077	0.9241	0.69419103
		0.93402	0.69942892
			0.71337700
			0.71741440
			0.72386354
			0.73397232
			0.73787622
			0.74306780 0.73787622
			0.74438700
			0.74772347
			0.74416495
			0.75078312
		0.99814	0.751012114
***		1	0.749216
		1	0.747846
760	0.7503975	1	0.750397
		1	0.748576
			0.7506250
			0.74138912
			0.73608293
			0.73459287
			0.73165215 0.73459287
			0.73056269
	1		0.73062761
			0.72676776
			0.72197764
		0.9517	0.718001
	· · · · · · · · · · · · · · · · · · ·	0.9448	0.708
			0.70813335
685	0.7503876	0.93254	0.69976645
	690 695 700 715 720 725 730 735 740 745 750 765 760 765 770 775 800 805 810 815 820 825 830 835 840 845 850 865 870 875 880 885 890 905 905 910	700 0.754441 705 0.7531584 710 0.7527372 715 0.7508711 720 0.746005 725 0.7464315 730 0.747449 735 0.7417163 740 0.7411972 745 0.7434783 750 0.7506256 755 0.7485761 760 0.7503975 765 0.7478465 770 0.7492163 775 0.7524116 780 0.7533445 785 0.7475814 790 0.7518587 795 0.749031 800 0.7482306 805 0.7482304 805 0.7482304 805 0.7482304 806 0.7497292 825 0.7511013 830 0.7550561 835 0.7488372 840 0.7512077 845 0.750654 850 <	690 0.7550201 0.9379 695 0.75 0.9448 700 0.754441 0.9517 705 0.7531584 0.9586 710 0.7527372 0.9655 715 0.7508711 0.97304 720 0.746005 0.9793 725 0.7464315 0.9802 730 0.747449 0.9828 735 0.7417163 0.98838 740 0.7411972 0.9931 745 0.7434783 0.99719 755 0.7453761 1 760 0.7506256 1 761 0.7482761 1 762 0.7482761 1 763 0.7478465 1 770 0.7492163 1 775 0.7524116 0.99814 780 0.7533445 0.9964 785 0.749031 0.9984 795 0.749031 0.9986 805 0.748204 0.993

Aircraft: F-18

Part Name: Single seat Canopy 'A', SWEDLOW

Manufactured: N/A

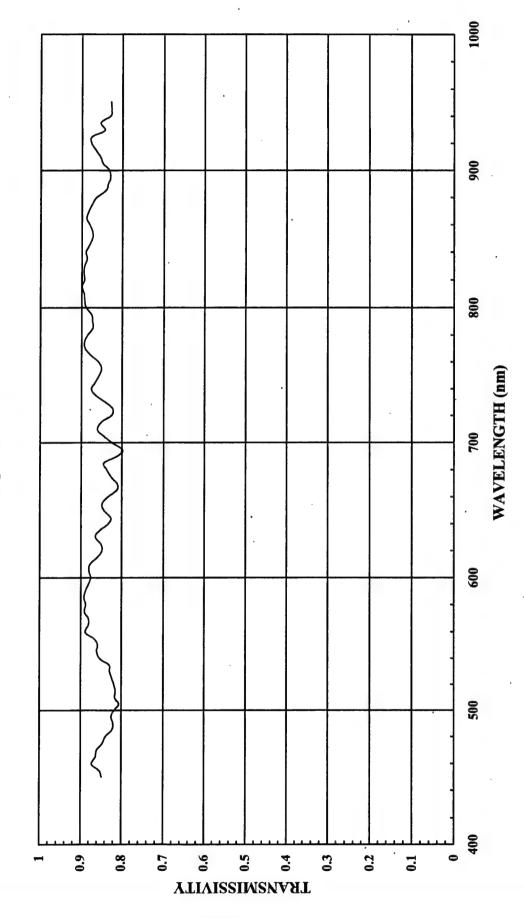
S/N# N/A

Material Type: N/A

Construction: N/A

F-18 CANOPY 'A' (SWEDLOW, SINGLE SEAT, NO SERIAL NUMBER)





	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	
WAVELENGTH(nm)	READING	"NVIS A"	
450	0.848	0.0001	RESPONSE
455	0.8533834	0.0001	0.0000848
460	0.8725664	0.0001123	9.60056E-05
465	0.8631052	0.000123	0.000107326
470		0.0001375	0.000118677
475		0.00016172	0.000129058
480	0.8375559		0.000136957
485	0.8225108	0.000175	0.000146572
490	0.8198075	0.00019375	0.000159361
495	0.8241336	0.0002125	0.000174209
500	0.8171642	0.00022266	0.000183502
505	0.8057285	0.0002375	0.000194076
510		0.00027656	0.000222832
515	0.8155941	0.0003125	0.000254873
520	0.8143361	0.00034279	0.000279146
525	0.8177874	0.000375	0.00030667
530	0.8226804	0.00041875	0.000344497
535	0.8284823	0.0004625	0.000383173
	0.8291667	0.00050703	0.000420412
540	0.85261	0.00055	0.000468936
545	0.8605769	0.00058359	0.000502224
550	0.8578024	0.000625	0.000536127
555	0.8665464	0.0007	0.000606582
560	0.8889875	0.000775	0.000688965
565	0.8812981	0.00085	0.000749103
570 575	0.88109	0.000925	0.000815008
580	0.891129	0.0014525	0.001294365
585	0.8880952	0.00198	0.001758428
	0.8921491	0.0047175	0.004208713
590	0.8890601	0.0078	0.006934669
595	0.8824818	0.0114	0.010060293
600	0.8758481	0.015	0.013137722
605	0.8798956	0.026263	0.023108698
610	0.8781925	0.052	0.04566601
615	0.8588957	0.088388	0.075916073
620	0.8478873	0.175	0.148380278
625	0.8496454	0.43288	0.367794501
630	0.8648649	0.6138	0.530854076
635	0.854054	0.67756	0.578672828
640	0.8332239	0.7448	0.620585161
. 645	0.8263091	0.82458	0.681357958
650	0.8434728	0.8897	0.75043775
655	0.8478803	0.89654	0.760158604
660	0.834446	0.9034	0.753838516
665	0.8112094	0.91051	0.738614271
670	0.8113208	0.9172	0.744143438
675	0.8255814	0.92241	0.761524539
680	0.8371778	0.9276	0.776566127
685	0.8435961	0.93254	0.786687107
690	0.8124353	0.9379	0.761983068

			COEFFICIENT)
			TRANSMISSION
4.7.10	THYE(SUMINVG):		
	Tnvg(SUM/NVG):		(SPECTRAL
	SUM:	41.88663936	
950	0.8274932	0	0
945		0	0
940		0	0
935		0	0
930		0.0069	0.00582
925		0.015525	0.013596632
920	0.8770161	0.0276	0.024205644
915	0.865019	0.043125	0.037303944
910		0.0621	0.053034307
905		0.11009	0.093286787
900		0.175	0.145734803
895		0.25704	0.213184838
890		0.3448	0.288021577
885		0.42523	0.35733612
880		0.5034	0.435444272
875		0.58016	0.507460092
870		0.6552	0.578254819
865		0.72848	0.647172817
860		0.80534	0.70441328
855		0.86334	0.754537836
850		0.9172	0.795060845
. 845		0.9241	0.808990945
840		0.93402	0.82234892
830 835		0.93402	0.828526831
. 825		0.95515 0.9448	0:854815791 0:84450948
820		0.9655 0.95515	0.86205353
815		0.97283	0.874920303
810		0.9793	0.87582109
805		0.9862	0.88021348
800		0.9931	0.883496121
795		, 0.9938	0.869751201
790		0.9945	0.868417588
785		0.99543	0.868517553
780		0.9966	0.882963183
775		0.99814	0.891364972
770		1	0.8911524
. 765		1	0.8779343
760			0.8568873
755		1	0.8501529
750		1	0.855985
745		0.99719	0.864016871
740		0.9931	0.869204518
735		0.98838	0.854865182
730		0.9828	0.823262371
725	0.8219767	0.9802	0.805701561
720	0.8257622	0.9793	0.808668922
71:		0.97304	0.827052668
710		0.9655	0.830395944
700		0.9586	0.809080735
700		0.9517	0.785266038
699	0.7987307	0.9448	0.754640765

Aircraft: F-18

Part Name: Rear Canopy, SWEDLOW

Manufactured: N/A

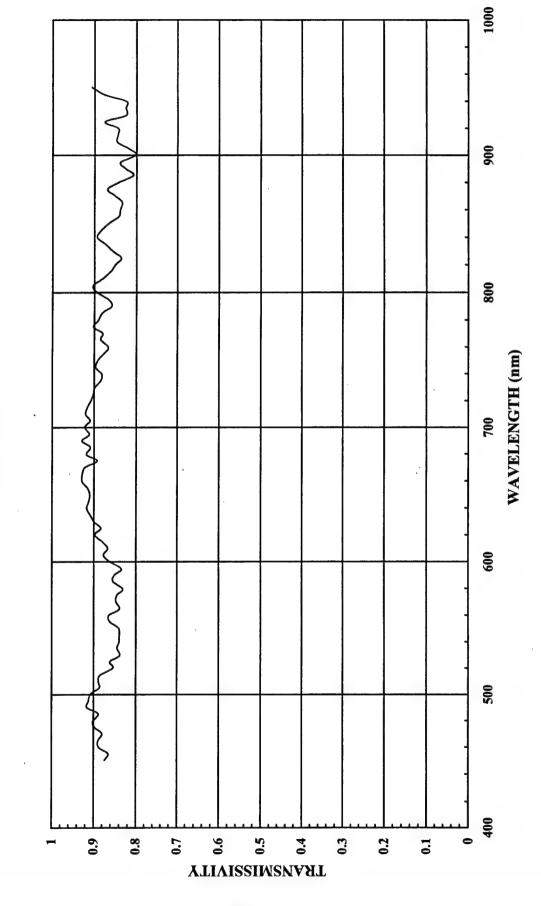
S/N#.SWU-125

Material Type: N/A

Construction: N/A

Coating: Acrylic

F-18 REAR CANOPY (SWEDLOW, ACRYLIC, S/N#SWU-125) @ NORMAL Tnvg = 89%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.8743169		
455	0.8656716	0.0001	8.74317E-05
460	0.8873239	0.0001125	9.73881E-05
465	0.8899083	0.000123	0.000109141
470	0.8799999	0.0001375	0.000122362
475	0.8974359	0.00015	0.000132
480	0.9912346	0.00016172	0.000145133
485	0.8888889	0.000175	0.000157716
490	0.9160305	0.00019375	0.000172222
495	0.9124088	0.0002125	0.000194656
500		0.00022266	0.000203157
505	0.9071428 0.8865248	0.0002375	0.000215446
510	Anna Carlotta Carlotta (Carlotta Carlotta Carlot	0.00027656	0.000245177
515	0.8885018	0.0003125	0:000277657
520	0.885246	0.00034279	0.000303453
525	0.8545994	0.000375	0.000320475
	0.8617647	0.00041875	0.000360864
530	0.8387097	0.0004625	0.000387903
535	0.8445748	0.00050703	0.000428225
540	0.8398876	0.00055	0.000461938
545	0.8395721	0.00058359	0.000489966
550	0.8410256	0.000625	0.000525641
555	0.8618926	0.0007	0.000603325
560	. 0.8643216	0.000775	0.000669849
565	0.8393285	0.00085	0.000713429
570	0.8477752	0.000925	0.000784192
575	0.8454333	0.0014525	0.001227992
580	0.8313818	0.00198	0.001646136
585	0.8544601	0.0047175	0.004030916
590	0.8515982	0.0078	0.006642466
595	0.8347826	0.0114	0.009516522
600	0.8636364	0.015	0.012954546
605	0.8772635	0.026263	0.023039571
610	0.8669439	0.052	0.045081083
615	0.8782051	0.088388	0.077622792
620	0.8973799	0.175	0.157041483
625	0.8836207	0.43288	0.382501729
630	0.8991597	0.6138	0.551904224
635	0.9096385	0.67756	0.616334662
640	0.9174852	0.7448	0.683342977
645	0.9126213	0.82458	0.752529272
650	0.9096154	0.8897	0.809284821
655	0.9157088	0.89654	0.820969568
660	0.9282787	0.9034	0.838606978
665	0.9277778	0.91051	0.844750965
670	0.9210526	0.9172	0.844789445
675	0.8924303	0.92241	0.823186633
680	0.917647	0.9276	0.851209357

	SUM: Tnvg(SUM/NVG):	43.20742652	(SPECTRAL
		40.00740050	
950		0	0
945		0	0
940		0	0
935		0.0000	0.000/02-1/0
930		0.0069	0.005702479
920 925		0.0276	0.023300008
915		0.043125	0.023306668
910		0.0621	0.036443661
905		0.11009 0.0621	0.090260127 0.052578002
900	1	0.175	0.140406963
895		0.25704	0.215628003
890		0.3448	0.284913688
885		0.42523	0.343620241
- 880	·	0.5034	0.425201945
875		0.58016	0.504486888
870		0.6552	0.558133365
865		0.72848	0.608150693
860	· · · · · · · · · · · · · · · · · · ·	0.8	0.6713044
855		0.86334	0.727211657
850		0.9103	0.786992401
845		0.9172	0.811369245
840	0.8939394	0.9241	0.8260894
835	0.8754448	0.93402	0.817682952
830	. 0.8556701	0.9448	0.80843711
825		0.95515	0.799142103
820		0.9655	0.821156205
815		0.97283	0.837452339
810		0.9793	0.863008125
805		0.9862	0.890661875
800		0.9931	0.889206446
795		0.9938	0.860520687
790		0.9945	0.854429548
785		0.99543	0.876733732
780		0.9966	0.888109426
775		0.99814	0.900283153
770		1	0.8803827
765		1	0.884892
755 760		1	0.8666666
750		1	0.8771085
745		0.99719	0.89403239 0.8907767
740		0.9931	0.876264665
735		0.98838	0.873452063
730		0.9828	0.883638527
. 725		0.9802	0.884060906
720		0.9793	0.888776446
715	0.9156119	0.97304	0.890927003
710		0.9655	0.888840072
705		0.9586	0.871647311
700		0.9517	0.877803255
695		0.9448	0.860927364
685 690		0.93254	0.871105951
605	0.9087838	0.93254	0.847477245

Aircraft: F-18

Part Name: Windscreen, LLAMAS

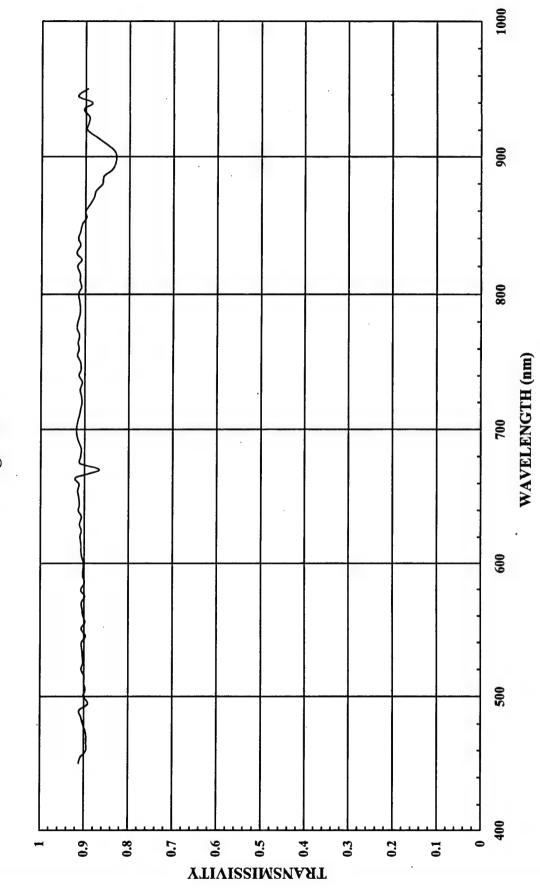
Manufactured: N/A

S/N# 062

Material Type: N/A

Construction: N/A

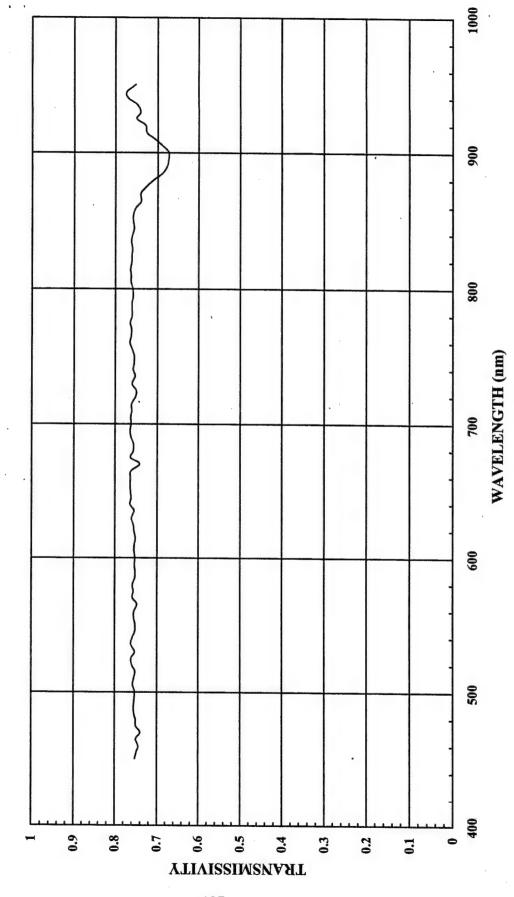
F-18 WINDSCREEN (LLAMAS, S/N# 062) @ NORMAL Tnvg = 91%



F-18 WINDSCREEN			
	CDECTD A		
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.9122341	0.0001	9.12234E-0
455	0.9079602	0.0001125	0.00010214
460	0.8958333	0.000123	0.00011018
465	0.8955556	0.0001375	
470	0.895075	0.00015	
475	0.8971193	0.00016172	0.00014508
480	0.9021956	0.000175	
485	0.9071566	0.00019375	
490	0.9109091	0.0002125	0.00017376
495	0.8915254	0.0002123	0.00019350
500	0.9015025	0.00022200	
505	0.8971332	0.0002375	0.00021410
510	0.9003322	0.00027656	
515	0.9003322		0.00028135
520	0.9066092	0.00034279	0.00030851
525	0.9027778	0.000375	0.00033997
530	0.9036826	0.00041875	
535	0.9052334	0.0004625	0.00041795
540		0.00050703	0.0004589
	0.9059945	.0.00055	0.00049829
545	0.8967742	0.00058359	0.00052334
550	0.9067164	0.000625	0.00056669
555	0.8978102	0.0007	0.00062846
560	0.902497	0.000775	0.00069943
565	0.9047073	0.00085	0.00076900
570	0.9063545	0.000925	0.00083837
575	0.8988031	0.0014525	0.00130551
580	0.9076087	0.00198	0.00179706
585	0.8992497	. 0.0047175	0.0042422
590	0.9028926	0.0078	0.00704256
595	0.9025341	0.0114	0.01028888
600	0.9019074	0.015	0.01352861
605	0.9060283	0.026263	0.02379502
610	0.9077758	0.052	0.04720434
615	0.9072165	0.088388	0.08018705
620	0.9098837	0.175	0.15922964
625	0.9069767	0.43288	0.39261207
630	0.9115129	0.6138	0.55948661
635	0.9071039	0.67756	0.61461731
640	0.9140071	0.7448	0.68075248
645	0.9117132	0.82458	0.7517804
650	0.9133858	0.8897	0.81263934
655	0.9156626	0.89654	0.82092814
660	0.9125231	0.9034	0.82437336
665	0.9202226	0.91051	0.8378718
670	0.8670886	0.9172	0.79529366
675	0.9097607	0.92241	0.83917236
680	0.909396	0.9276	0.8435557
300	0.000000	0.3210	U.043000/

	1		TRANSMISSION
	Tnvg(SUM/NVG):		(SPECTRAL
	SUM:	44.20380926	CONT. COTTO A T
950		0	0
945	0.9172414	0	0
940		0	0
935		0	0
930		0.0069	0.006155685
925		0.015525	0.013877094
920		0.043123	0.037720366
915		0.043125	0.037720588
910		0.11009	0.053099996
905		0.11009	0.092126593
895 900		0.25704 0.175	0.214199991 0.145372448
890		0.3448	0.289992764
885		0.42523	0.365406773
880		0.5034	0.434271098
875		0.58016	0.508487498
870		0.6552	0.577323583
865		0.72848	0.649129733
860		0.8	0.72011584
855		0.86334	0.775341135
850		. 0.9103	0.826012956
845		0.9172	0.836338547
840		0.9241	0.846717807
835		0.93402	0.851286283
830		0.9448	0.869173295
825		0.95515	0.867743746
820	0.9181223	0.9655	0.886447081
815		0.97283	0.887237693
810	0.9124613	0.9793	0.893573351
805	0.9090909	0.9862	0.896545446
800	0.9157361	0.9931	0.909417521
795		0.9938	0.907593316
790		0.9945	0.906695595
785		0.99543	0.908296827
780		0.9966	0.91396731
775		0.99814	
. 770		<u> </u>	0.9133176
765		1	0.9161392
760		1	0.9178277
755		1	0.9107745 0.9176277
745			
740 745		0.9931 0.99719	0.907090489 0.906218351
735		0.98838	
730		0.9828	
72:		0.9802	·
720		0.9793	1
71:		0.97304	0.885278992
710		0.9655	0.881196209
70	0.9166666	0.9586	
700		0.9517	
69:		0.9448	
690	0.9123989	0.9379	0.855738928

F-18 WINDSCREEN (LLAMAS, S/N#062) @ DESIGN EYE Tavg = 76%



	SPECTRA-	RELATIVE	NVG
			SPECTRAL
TALL TABLE TO TO COMPANY	RADIOMETRIC	SPECTRAL SENSITIVITY	
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.7526316	0.0001	7.52632E-05
455	0.7487685	0.0001125	8.42365E-05
460	0.7442922	0.000123	9.15479E-05
465	0.75	0.0001375	0.000103125
470	0.739785	0.00015	0.000110968
475	0.7499999	0.00016172	0.00012129
480	0.750495	0.000175	0.000131337
485	0.7547893	0.00019375	0.00014624
490	0.7549549	0.0002125	0.000160428
495	0.7538201	0.00022266	0.000167846
500	0.7524917	0.0002375	0.000178717
505	0.7571189	0.00027656	0.000209389
510	0.7549669	0.0003125	0.000235927
515	0.7519026	0.00034279	0.000257745
520	0.7596017	0.000375	0.000284851
525	0.7614424	0.00041875	0.000318854
530	0.7528089	0.0004625	0.000348174
535	0.7619718	0.00050703	0.000386343
540	0.7588075	. 0.00055	0.000417344
545	. 0.7525641	0.00058359	0.000439189
550	0.7521578	0.000625	0.000470099
555	0.7548309	0.0007	0.000528382
560	0.754717	0.000775	0.000584906
565	0.7477273	0.00085	0.000635568
570	0.7585825	0.000925	0.000701689
575	0.7559653	0.0014525	0.00109804
580	0.7580994	0.00198	0.001501037
585	0.7523911	0.0047175	0.003549405
590	0.7520409	. 0.0078	0.005865919
595	0.7533719	0.0114	0.00858844
600	0.7527076	0.015	0.011290614
605	0.7544169	0.026263	0.019813251
610	0.754025	0.052	0.0392093
615	0.7518519	0.088388	0.066454686
620	0.754771	0.175	0.132084925
625	0.7567307	0.43288	0.327573585
630	0.7610536	0.6138	0.4671347
635	0.754734	0.67756	0.511377569
640	0.7644991	0.7448	0.56939893
645	0.7624021	0.82458	0.628661524
650	0.7638888	0.8897	0.679631865
655	0.7645547	0.89654	0.685453871
660	0.7639015	0.9034	0.690108615
665	0.7628676	0.9054	0.694598578
670	0.7421384	0.9172	0.68068934
		The state of the s	
675	0.7636364	0.92241	0.704385852
680 685	0.7571189 0.7562112	0.9276 0.93254	0.702303492 0.705197192

940 945 950	0.7694805 0.7739726 0.7518248 SUM: Tnvg(SUM/NVG):	0 0 36.81528934	(SPECTRAL TRANSMISSION
940 945	0.7739726 0.7518248 SUM:	0 0 36.81528934	0
940 945	0.7739726 0.7518248 SUM:	0 0 36.81528934	0
940 945	0.7739726 0.7518248	0	0
940 945	0.7739726	0	0
940			
		0	0
935		0	0
		0.0069	0.005114826
		0.015525	0.01164375
	0.729443	0.0276	0.020132627
		0.043125	0.031303933
	0.7066014	0.0621	0.043879947
		0.11009	0.075799662
	0.6734234	0.175	0.117849095
895	0.6737288	0.25704	0.173175251
			0.233574209
			0.292295575
			0.35805211
			0.422549905
			0.485140154
			0.538680218
			0.60144304
			0.69024071 0.65379141
			0.693046409
			0.701734926
			0.71246177
			0.717582969
		The state of the s	0.726881758
			0.735120307
			0.743683785
			0.747281306
			0.752653146
			0.753834999
			0.753053838
			0.756484227
		A CONTRACTOR OF THE PARTY OF TH	0.757087526
			0.758246467
			0.763849892
			0.7617555
		1	0.7628053
		1	0.7657874
		1	0.7600328
		1	0.7552214
		0.99719	0.753316715
		0.9931	0.752295098
		0.98838	0.744023504
		0.9828	0.746894683
725	0.7504188	0.9802	0.735560508
720	0.7516779	0.9793	0.736118167
715			0.740837237
			0.734485394
			0.731734465
			0.725957141
			0.722626217
690	0.7623498	0.9379	0.715007877
	695 700 705 710 715 720 725 730 735 740 745 750 765 760 765 770 775 800 805 810 815 820 825 830 835 840 845 850 865 870 875 880 885 880 895 900 905 910 915 920 925	720 0.7516779 725 0.7504188 730 0.7599661 735 0.7527707 740 0.757522 745 0.7554395 750 0.7552214 755 0.7600328 760 0.7657874 765 0.7628053 770 0.7617555 775 0.7652733 780 0.7608333 785 0.7605633 790 0.7606679 795 0.7577519 800 0.7590726 805 0.7631851 810 0.763077 815 0.764454 820 0.7613882 825 0.7610132 830 0.7595078 835 0.7627907 840 0.7593712 845 0.755611 850 0.7582563 855 0.7572815 860 0.7582563 855 0.759334578 870	695 0.7648457 0.9448 700 0.7628004 0.9517 705 0.7633366 0.9585 710 0.7607306 0.9655 715 0.7613636 0.97304 720 0.7516779 0.9793 725 0.7504188 0.9802 730 0.7599661 0.9828 735 0.7527707 0.98838 740 0.757522 0.9931 745 0.755224 0.99719 755 0.7552244 1 755 0.7600328 1 760 0.7657874 1 765 0.7628053 1 770 0.7617555 1 775 0.7652733 0.99814 780 0.7608333 0.9986 785 0.7608633 0.9984 785 0.7608633 0.9984 780 0.7608633 0.9984 785 0.763683 0.9934 785 0.7577519 <

PROTOTYPES

NEXT GENERATION TRANSPARENCY

Aircraft: N/A

Part Name: Transparency

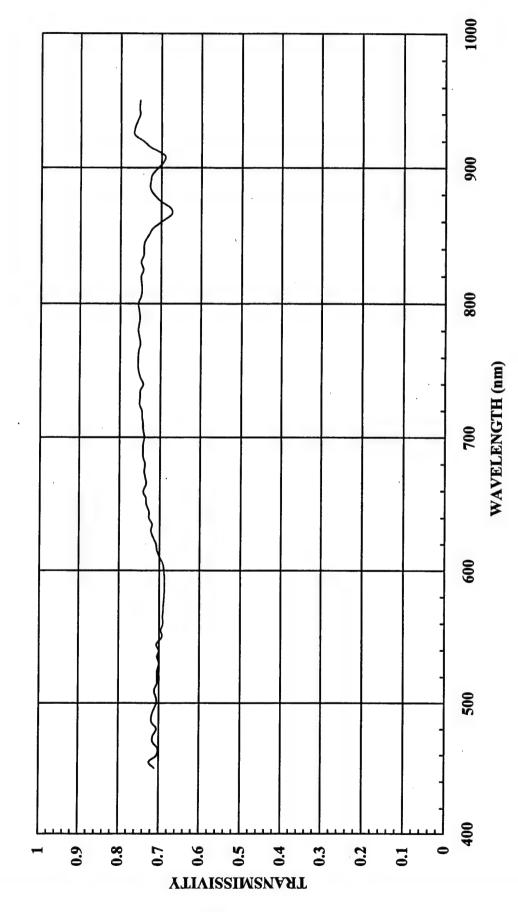
Manufactured: N/A

S/N# OEP-38D

Material Type: N/A

Construction: N/A

NEXT GENERATION TRANSPARENCY (S/N# OEP-38D) @ NORMAL Tnvg = 74%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.7106383	0.0001	7.10638E-05
455	0.7237903	0.0001125	8.14264E-05
460	0.7055556	0.000123	8.67833E-05
465	0.7029877	0.0001375	9.66608E-05
470	0.7145329	0.00015	0.00010718
475	0.7145215	0.00016172	0.000115552
480	0.7059748	0.000175	0.000123546
485	0.7171254	0.00019375	0.000138943
490	0.7180232	. 0.0002125	0.00015258
495	0.7135135	0.00022266	0.000158871
500	0.7060367	0.0002375	0.000167684
505	0.7076719	0.00027656	0.000195714
510	0.7116645	0.0003125	0.000222395
515	0.7047387	0.00034279	0.000222533
520	0.7048261	0.000375	0.000241377
525	0.704793	0.00041875	0.00020431
530	0.7004405	0.0004625	0.000233132
535	0.7052979	0.00050703	0.000323934
540	0.7008547	0.00055	0.000337607
545	0.7067745	0.00058359	0.00036347
550	0.692974	0.000625	0.000412467
555	0.6965973	0.00023	0.000433109
560	0.6912442	0.000775	0.000487618
565	0.6916221	0.000775	0.000587879
570	0.6904557	0.00085	0.000638672
575	0.6893939	0.000325	0.001001345
580	0.6880734	0.0014323	0.001362385
585	0.6873964	0.0047175	
590	0.6876495	0.0047173	0.003242793
595	0.6871718	0.0078	0.005363666
600	0.6890756	0.0114	0.007833759
605	0.6915254	0.026263	0.010336134
610	0.6993781	0.020203	0.018161532
615	0.7068215	0.088388	0.036367661
620	0.7086731	0.000300	0.062474539
625	0.7153503	0.43288	0.124017793
630	0.7217391	0.43288	0.309660838
635	0.7185965	0.67756	0.44300346
640	0.7266484	0.7448	0.486892245
645	0.7268487	0.82458	0.541207728
650	0.7332448	0.8897	0.599344901
655	0.734127	0.89654	0.652367899
660	0.7406361	0.89654	0.658174221
665	0.7336493	0.91051	0.669090653
670	0.7361963	0.91051	0.667995024
675	0.7388168	0.92241	0.675239246
680	0.7367688		0.681492004
685	0.7414634	0.9276 0.93254	0.683426739
690	0.7418677	0.93254	0.691444279
695	0.7419056	0.9448	0.695797716 0.700952411

			COEFFICIENT)
	·		TRANSMISSION
	Tnvg(SUM/NVG)	0.738956995	(SPECTRAL
	SUM ,	35.98611268	
950	0.7521614	0	0
945		0	0
940	0.7525773	0	0
935		0.0069	0.005277435
925 930	0.766147 0.7648456	0.015525 0.0069	0.011894432
920	0.7436975	0.0276	0.020526051 0.011894432
915		0.043125	0.031324197
910		0.0621	0.043028984
905		0.11009	0.076372405
900		0.175	0.12384134
895		0.25704	0.18583298
890		0.3448	0.250467926
885		0.42523	0.309373918
880		0.5034	0.361995494
875		0.58016	0.406647024
870		0.6552	0.443633561
865		0.72848	0.491198693
860	0.700114	0.8	0.5600912
855		0.86334	0.62216787
850	0.7300104	0.9103	0.664528467
845		0.9172	0.679272909
840		0.9241	0.685622596
835		0.93402	0.693672369
830		0.9448	0.707759411
825		0.95515	0.709729556
820	0.7489289	0.9655	0.723090853
815		0.97283	0.727357265
810		0.9793	0.731093967
805		0.9862	0.738857194
800		0.9931	0.750166289
795		0.9938	0.748732796
790		0.9945	0.747312152
785		0.99543	0.749653256
780		0.9966	0.752681452
775		0.99814	0.750481304
770		1	0.7495385
· 765		1	0.7540074
760		1	0.7551659
75 5		1	0.7551282
750		1	0.7544205
745		0.99719	0.746883244
740		0.9931	0.736707003
735		0.98838	0.740465238
730	0.7498367	0.9828	0.736939509
725	0,7508112	0.9802	0.735945138
720	0.7451108	0.9793	0.729687006
715	0.7442953	0.97304	0.724229099
710		0.9655	0.716426972
705		0.9586	0.710823277
700	0.7388121	0.9517	0.703127476
			

NEXT GENERATION TRANSPARENCY

Aircraft: N/A

Part Name: Transparency

Manufactured: N/A

S/N# OEP-54D

Material Type: N/A

Construction: N/A

1000 900 NEXT GENERATION TRANSPARENCY (S/N#OEP-54D) @ NORMAL 800 WAVELENGTH (nm) Tnvg =74% 700 009 **200** YTIVISSIMSNAЯT S S S S 0.2 0.3 6.0 8.0 0.7 0.1

	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	
WAVELENGTH(nm)	READING	"NVIS A"	SPECTRAL RESPONSE
450	0.7170212	0.0001	7.17021E-05
455	0.7177419	0.0001	8.0746E-05
460	0.7055556	0.0001123	
465	0.7082602	0.000123	8.67833E-05
470	0.7197232	0.0001575	9.73858E-05
475	0.7161716	0.00016	0.000107958 0.000115819
480	0.7169811	0.00010172	
485	0.7140673	0.000173	0.000125472
490	0.7238372	0.00019375	0.000138351
495	0.7067568	0.0002125	0.000153815
500	0.7165354		0.000157366
505	0.7116402	0.0002375	0.000170177
510	0.7103539	0.00027656	0.000196811
515		0.0003125	0.000221986
520	0.7120292 0.7138047	0.00034279	0.000244076
525	0.7138047	0.000375	0.000267677
530		0.00041875	0.000296501
535	0.7070485 0.7052979	0.0004625	0.00032701
		0.00050703	0.000357607
540	0.7051282	0.00055	0.000387821
545	0.7017189	0.00058359	0.000409516
550	0.6920115	0.000625	0.000432507
555	0.6928166	0.0007	0.000484972
560	0.6930875	0.000775	0.000537143
565	0.6916221	0.00085	0.000587879
570	0.6930352	0.000925	0.000641058
575	0.6952862	0.0014525	0.001009903
580	0.6939116	0.00198	0.001373945
585	0.6923715	0.0047175	0.003266263
590	0.6908367	0.0078	0.005388526
595	0.6901726	0.0114	0.007867968
600	0.6946779	0.015	0.010420169
605	0.6928813	0.026263	0.018197142
610	0.7007602	0.052	0.03643953
615	0.7053701	0.088388	0.062346252
620	0.7101557	0.175	0.124277248
625	0.7138599	0.43288	0.309015674
630	0.7166667	0.6138	0.43989002
635	0.7178947	0.67756	0.486416733
640	0.7225275	0.7448	0.538138482
645	0.7261825	0.82458	0.598795566
650	0.7319177	0.8897	0.651187178
655	0.7374339	0.89654	0.661138989
660	0.7427562	0.9034	0.671005951
665	0.7393364	0.91051	0.673173186
670	0.7576687	0.9172	0.694933732
675	0.7546898	0.92241	0.696133418
680	0.7451254	0.9276	0.691178321
685	0.745122	0.93254	0.69485607
690	0.7523609	0.9379	0.705639288
695	0.7511563	0.9448	0.709692472

			COEFFICIENT)
	B(00////////////////////////////////	0	TRANSMISSION
	Tnvg(SUM/NVG)	0.744578992	(SPECTRAL
	SUM	36.25989562	
330	0.70007		
950	0.760807	0	0
945	0.7704918	0	0
940	0.7654639	0	0
935	0.7610837	0.0009	0.000020000
930	0.7719715	0.0069	0.005326603
925	0.752784	0.015525	0.011686972
920	0.7521008	0.043123	0.020757982
915	0.7323944	0.043125	0.043148179
910	0.6948177	0.0621	0.043148179
905	0.7094474	0.11009	0.076778638
900	0.7094474	0.25704	0.124153295
895	0.7297297	0.25704	0.252094314
890		0.3448	0.252094314
885	0.7425149	0.42523	0.315739611
880	0.730337	0.5034	0.367651646
875	0.7101449	0.58016	0.411997665
870	0.6795995	0.6552	0.445273592
865	0.6754807	0.72848	0.49207418
860	0.700114	0.00354	0.5600912
855	0.7352024	0.86334	0.6259215
850	0.7352024	0.9103	0.669254745
845	0.7455446	0.9172	0.683813507
840	0.7495256	0.9241	0.692636607
835	0.75	0.93402	0.700515
, 830	0.752669	0.9448	0.711121671
825	0.7552083	0.95515	0.721337208
820	0.7549272	0.9655	0.728882212
815	0.7510584	0.97283	0.730652143
810	0.7579203	0.9793	0.74223135
805	0.7548231	0.9862	0.744406541
800	0.7609562	0.9931	0.755705602
795	0.7534039	0.9938	0.748732796
790	0.7608382	0.9945	0.75665359
785	0.7537827	0.99543	0.750337913
780	0.7604987	0.9966	0.757913004
775	0.7575188	0.99814	0.756109815
770	0.7550769	1	0.7550769
765	0.7564735	1	0.7564735
760	0.7589229	1	0.7589229
755	0.7589743	1	0.7589743
750	0.7563851		0.7563851
745	0.7516869	0.99719	0.74957466
740	0.7506812	0.9931	0.7455015
735	0.7564698	0.98838	0.747679621
730	0.7570215	0.9828	0.74400073
725	0.7592472	0.9802	0.744214105
720	0.7529335	0.9793	0.737347777
715	0.7516779	0.97304	0.731412664
710	0.7498228	0.9655	0.723953913
705		0.9586	0.717324598
700	0.7485761	0.9517	0.712419874

PROTOTYPE

Aircraft: N/A

Part Name: Prototype, BOEING

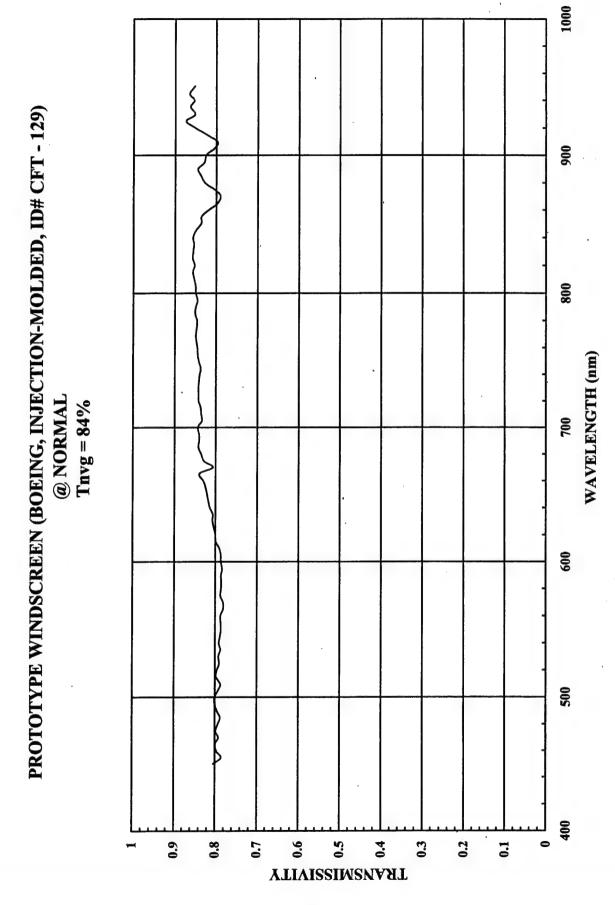
Manufactured: N/A

S/N# CFT-129

Material Type: N/A

Construction: Injection-molded

Coating: N/A



PROTOTYPE WINDS	CREEN, BOEING, S/N#	CFT-129 @ NORMAL	
	CDECTD A		
	SPECTRA-	RELATIVE	NVG
STATION PROPERTY	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.804	0.0001	0.0000804
455	0.7857143	0.0001125	8.83929E-05
460	0.7964602	0.000123	9.79646E-05
465	0.7996661	0.0001375	0.000109954
470	0.7922078	0.00015	0.000118831
475	0.7984375	0.00016172	0.000129123
480	0.7928465	0.000175	0.000138748
485	0.7878788	0.00019375	0.000152652
490	0.7950482	0.0002125	0.000168948
495	0.801027	0.00022266	0.000178357
500	0.8009951	0.0002375	0.000190236
505	0.7932752	0.00027656	0.000219388
510	0.7871287	0.0003125	0.000245978
515	0.7978849	0.00034279	0.000273507
520	0.7960954	0.000375	0.000298536
525	0.7907217	0.00041875	0.000331115
530	0.7920998	0.0004625	0.000366346
535	0.7875	0.00050703	0.000399286
540	0.7911975	0.00055	0.000435159
545	0.7884616	0.00058359	0.000460138
550	0.7867035	0.000625	0.00049169
555	0.7871957	0.0007	0.000551037
560	0.7877442	0.000775	0.000331037
565	0.7813835	0.000773	0.000664176
570	0.7819984	0.000925	0.000064176
575	0.7879032	0.0014525	0.000723349
580	0.7865079	0.00198	0.001144429
585	0.7858843	0.0047175	0.001337286
590	0.7865947	0.0077773	0.005707409
595	0.7839416	0.0078	0.008936934
600	0.7869742	0.015	0.011804613
605	0.7872063	0.026263	0.020674399
610	0.7904388	0.052	0.020074399
615	0.799591	0.088388	0.070674249
620	0.8	0.000300	0.070674249
625	0.8035461	0.43288	0.347839036
630	0.8073459	0.43288	0.495548913
635	0.8067567	0.67756	0.54662607
640	0.8135259	0.7448	0.60591409
645	0.8173691	0.82458	0.673986212
650	0.8206591	0.8897	
655	0.8241895	0.89654	0.730140401
660	0.8291055	0.9034	0.738918854
665	0.839233	0.91051	0.749013909
670	0.8066038		0.764130039
675	0.8284884	0.9172	0.739817005
680	0.8358209	0.92241	0.764205985
685	0.8423645	0.9276	0.775307467
690	0.8404146	0.93254	0.785538591
090	0.0404145	0.9379	0.788224853

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.837194457	(SPECTRAL
	SUM:	40.77013174	
300	0.001702	<u> </u>	<u> </u>
950		0	0
945		0	0
940		0	0
930		0.0069	0.00588
925 930		0.015525	0.013563947
920		0.0276	0.023537904
915		0.043125	0.035418252
910		0.0621	0.049521347
905		0.11009	0.088651415
900		0.175	0.14425677
895		0.25704	0.213184838
890		0.3448	0.291118571
885		0.42523	0.356145008
880		0.5034	0.416311146
875		0.58016	0.466431351
870		0.6552	0.51763126
865		0.72848	0.581469968
860		0.8	0.65532832
855		0.86334	0.721808789
850		0.9103	0.761114392
845		0.9172	0.779791792
840		0.9241	0.791489894
835		0.93402	0.797690347
830		0.9448	0.808691451
. 825		0.95515	
820		0.9655	0.822869292
815		0.97283	0.833406631
810		0.9793	
805		0.9862	0.838119703
800		0.9931	0.843505474
795		0.9938	
790		0.9945	
785		0.99543	
780		0.9966	
77:		0.99814	
770			
76		1	
760		1	
75		1	
750		1	
74			
74		0.9931	0.833713508
73		0.98838	
73			
72			
72			
71			
70			
70			
		0.9448	
69	5 0.8404351	0.0448	0.704043093

COUPONS/PLASTIC SAMPLES

Aircraft: N/A

Part Name: Coupon - Pilkington

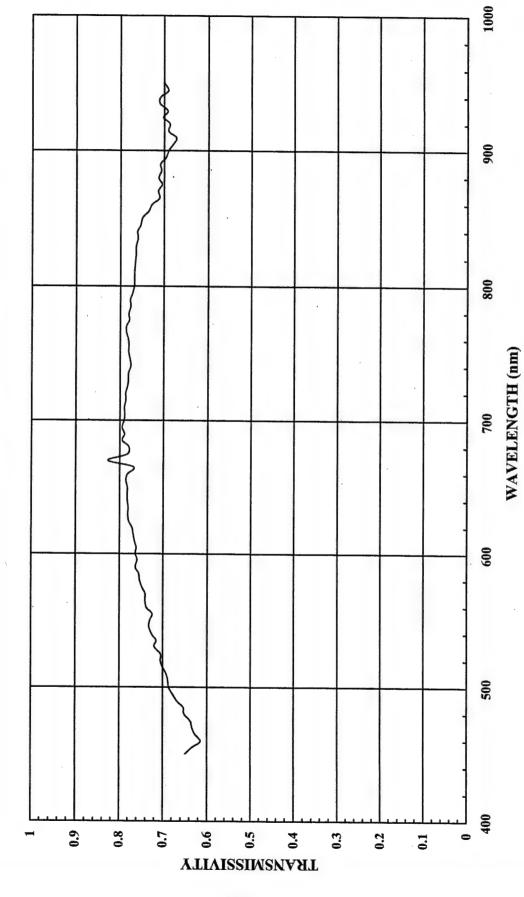
Manufactured: N/A

S/N# S-21 @ 20 Degrees

Material Type: Solar

Construction: N/A

COUPON (PILKINGTON, GOLD COAT, SOLAR, S/N# S-21) @ 20 DEGREES ${\bf Tnvg} = 77\%$



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450		0.0001	6.49533E-0
455	0.6341463	0.0001125	7.13415E-0
460			7.55964E-0
465		1	8.63311E-0
470		0.00015	9.51017E-0
475		0.00016172	0.00010312
480	0.6519524	0.000175	0.00011409
485	0.6535304	0.00019375	0.00012662
490		0.0002125	0.00014199
495		0.00022266	0.00015122
500	0.6865465	0.0002375	0.00016305
505	0.6883656	0.00027656	0.00019037
510		0.0003125	0.00021614
515		0.00034279	0.00024004
520		0.000375	0.00026454
525		0.00041875	0.00029508
530		0.0004625	0.00033278
535	0.7154378	the state of the s	0.00036274
540	0.7259343	` 0.00055	0.00039926
545		0.00058359	0.00042730
550		0.000625	0.00045626
555	0.7248521	0.0007	0.00050739
560	0.737911	0.000775	0.00057188
565	0.7411215	0.00085	0.00062995
570			0.00068
575	0.7478108		0.00108619
580	0.7534602	0.00198	0.00149185
585		0.0047175	0.00356144
590		0.0078	0.00595159
5 95		0.0114	
600			0.01144329
605			0.01998875
610	0.765371	0.052	0.03979929
615	0.7684982		0.06792601
- 620	0.7710387		
. 625			0.33712772
630			
635	0.7799708		
640	0.7817796		
645			0.64497971 0.69568258
650		The state of the s	
655			
660 665			
670			
675			
680			
685			
690			
695			
700			
705			
710			
715 720			

				COEFFICIENT)
			•	TRANSMISSION
		In s(GOIIII (G).	0.770748705	(SPECTRAL
		Tnvg(SUM/NVG):		(SDECTD AV
	2.00.00.00.00.00.00.00.00.00.00.00.00.00	SUM:	37.53432193	
		0.7002001	U	(
	950	0.7002801	0	
	945	0.6904762	0	
	940		0	
	935		0.0069	0.004778132
	925	0.7021739	0.015525	0.01090125
	920 925	0.6875	0.0276	0.018975
and the same of th	915	0.6903353	0.043125	0.02977071
	910	0.6729679	0.0621	0.041791307
	905	0.6793478	0.11009	0.074789399
1990))	900	0.6894737	0.175	0.120657898
	895	0.6960784	0.25704	0.178919992
	890	0.7087228	0.3448	0.244367621
	885	0.7067448	0.42523	0.300529091
	880	0.7123474	0.5034	0.358595681
	875	0.7046632	0.58016	0.408817402
	870	0.7135741	0.6552	0.46753375
	865	0.7109283	0.72848	0.51789704
	860	0.728395	0.8	0.582716
	855	0.7350427	0.86334	0.634591765
	850	0.7489712	0.9103	0.681788483
	845	0.7536657	0.9172	0.69126218
	840	0.7608696	0.9241	0.70311959
	835	0.7593437	0.93402	0.709242203
-	830	0.7636204	0.9448	0.72146855
	825	0.7638888	0.95515	0.72962838
	820	0.7647562	0.9655	0.73837211
	815	0.7661017	0.97283	0.74528671
	810	0.7670454	0.9793	0.75116756
*	805	0.7673107	0.9862	0.75672181
	800	0.7676609	0.9931	0.76236404
	795	0.7717066	0.9938	0.76692201
	790	0.7768241	0.9945	0.77255156
	785	0.7758152	0.99543	0.77226972
	780	0.7799228	0.9966	0.77727106
	775	0.778607	0.99814	0.77715879
	770		1	0.785582
	765		1	0.785447
	760	0.780796	1	0.78079
	755	0.7797927	1	
1	750		0.33713	0.780132
	745		0.99719	0.769839699 0.774080704
	740		0.9931	0.7712111
	735		0.9828 0.98838	0.76734753
	730			

Aircraft: N/A

Part Name: Coupon - SIERRACIN

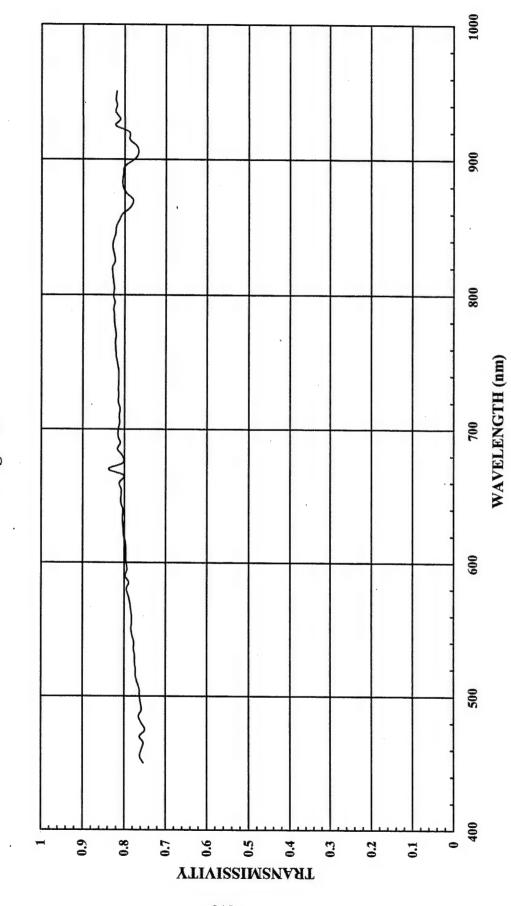
Manufactured: N/A

S/N# S-16 @ 20 Degrees

Material Type: Solar

Construction: N/A

COUPON (SIERRACIN, GOLD COAT, SOLAR, S/N# S-16) @ 20 DEGREES
Thyg = 82%



	CDTCTDA	DELATIVE	NNG
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.7533718	0.0001	7.53372E-0
455		0.0001125	8.57143E-0
460	0.7589134		9.33463E-0
465			0.00010361
470	0.7627907	0.00015	0.00011441
475	0.7496274		0.0001212
480	0.7592593		0.0001328
485	0.7648687		0.00014819
490		0.0002125	0.00016111
495			0.00016930
. 500			0.00018111
505			0.00021108
510			0.00023998
515			0.00026495
520	0.7728674		0.00028982
525	0.774951	0.00041875	0.00032451
530	0.7748279	0.0004625	0.00035835
535	0.777668	0.00050703	0.00039430
540	0.7769156	0.00055	0.00042730
545	0.7815356	0.00058359	0.00045609
550	0.7838313	0.000625	0.00048989
. 555	0.7821276	0.0007	0.00054748
560	0.7827181	0.000775	0.00060660
. 565	0.7849636	0.00085	0.00066721
570	0.7868339	0.000925	0.00072782
575	0.7902365	0.0014525	0.00114781
580	0.7951808	0.00198	0.00157445
585	0.7895131	0.0047175	0.00372452
590 595	0.7983871 0.7936288	0.0078 0.0114	0.00622741 0.00904736
600	0.7958789	0.0114	0.00904736
605	0.7964109	0.026263	0.02091613
610	0.796798	0.020203	0.02091013
615	0.7978177	0.088388	0.07051751
. 620	0.7976177	0.175	0.07031731
625	0.8028264		0.34752749
630	0.8048942	0.43200	0.4940440
635	0.8048937	0.67756	0.54536377
640	0.8034934	0.7448	0.59844188
645	0.8090024	0.82458	0.667087199
650	0.8085234	0.8897	0.719343269
655	0.8080569	0.89654	0.72445533
660	0.8126583	0.9034	0.73415550
665	0.801636	0.91051	0.729897594
670	0.8382353	. 0.9172	0.76882941
675	0.8035961	0.92241	0.74124507
680	0.8059509	0.9276	0.74760005
685	0.8175356	0.93254	0.76238464
690	0.8103277	0.9379	0.7600063
695	0.8159722	0.9448	0.77093053
700	0.8153495	0.9517	0.77596811
705	0.8121508	0.9586	0.77852775
710	0.8132726	0.9655	0.78521469
715	0.8112745	0.97304	0.789402539
720	0.8153206		0.798443464

			COEFFICIENT)
			TRANSMISSION
	Indecember 1	0.815521181	(SPECTRAL
	Tnvg(SUM/NVG):	39.71467526	(CDT COTT)
411.71	SUM:	20.74407700	
900	0.0191215	0	0
950		. 0	0
945		0	0
935 940		0	0
930		0.0069	0.005598114
925	0:022000	0.015525	0.012767066
920		0.0276	0.021786717
915		0.043125	0.033979662
910		0.0621	0.047877796
905		0.11009	0.084402337
900		0.175	0.135737175
. 895		0.25704	0.205787304
890	0.002072	0.3448	0.276825163
885		0.42523	0.342467102
880		0.5034	0.404976843
875		0.58016	0.461632674
870		0.6552	0.510922143
865		0.72848	0.573217309
860	0.8053278	0.8	0.64426224
855		0.86334	0.702521773
850	1.02007.0	0.9103	0.74704434
845		0.9172	0.754616669
840	5.52, 15 11	0.9241	0.764909636
835	1.020.	0.93402	0.774458281
830		0.9448	0.779762808
825		0.95515	0.786549787
820		0.9655	0.801319911
815		0.97283	0.806700599
810		0.9793	0.810207109
805	0.8252003	0.9862	0.813812536
799	0.8275618	0.9931	0.821851624
795		0.9938	0.818740341
790		. 0.9945	0.822523601
785	0.8251534	0.99543	0.821382449
780		0.9966	0.821105099 0.821890339
775		0.99814	
770		1	0.8227069 0.8206552
769		1	0.8215507
760		1	0.8207822
755		1	0.8179655
750			0.812593378
74		0.99719	0.808693446
740		0.98838 0.9931	0.805150854
73!		0.9828	0.801164211
730		0.9802	0.798638926
72	0.8147714	0.0000	1

Aircraft: N/A

Part Name: Coupon - TEXSTARS

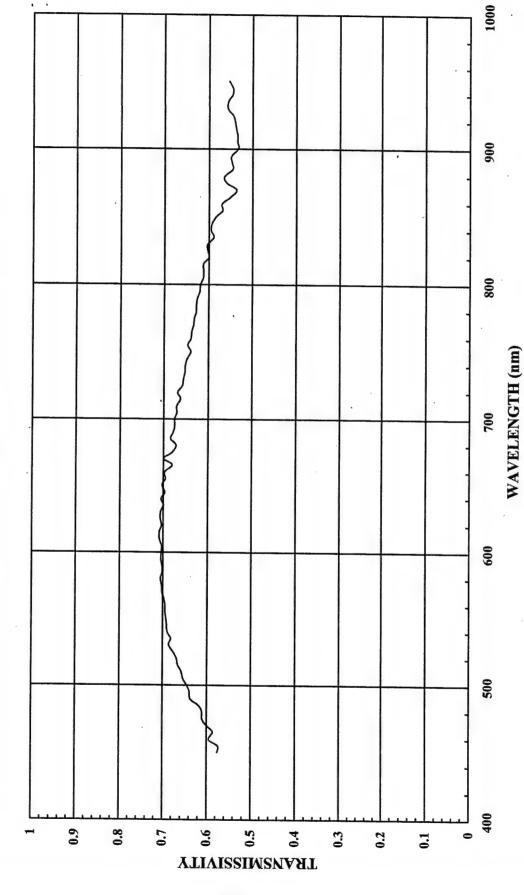
Manufactured: N/A

S/N# S-15 @ 20 Degrees

Material Type: Solar

Construction: N/A

COUPON (TEXSTARS, GOLD COAT, SOLAR, S/N# S-15) @ 20 DEGREES $\label{eq:Tnvg} \text{Tnvg} = 64\%$



	CDD CODD A	DELL ACTIVITY	MIC
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.5758293	0.0001	5.75829E-0
455	0.5739911	0.0001125	
460		0.000123	
465	0.5860735		
470	0.6		
475	0.6104129		
480	0.6108291	0.000175	
485	0.618421	0.00019375	
490	0.6370716	0.0002125	
495	0.6392496	0.00022266	
500	0.6453408	0.0002375	
505	0.6536313	0.00027656	
510	0.657931	0.0003125	
515	0.6662338	0.00034279	
520	0.6686674	0.000375	
525	0.675768	0.00041875	
530	0.6866359	0.0004625	
535	0.6820277	0.00050703	
540	0.6895388	0.00055	
545	0.691254	. 0.00058359	
550	0.6930091	0.000625	
555	0.6951819	0.0007	
560	0.694899		
565	0.6978684	0.00085	
570	0.7019749	0.000925 0.0014525	
575	0.7025372	0.0014525	
580 505	0.7060345	0.00196	
585	0.7019641	. 0.0047173	
590 505	0.7018272 0.7048666	0.0078	
595	0.7040816	0.014	
600 605	0.7034194	0.026263	
	0.7083626	0.020203	
610 615	0.7087592	0.088388	
620	0.7036199	0.000300	
625		0.43288	
630	0.7058823	0.6138	
635	0.6994219		
640	0.7048951	0.7448	
645	0.6967213		
650	0.7029034	0.8897	
655	0.6952192	0.89654	
660	0.697724		
665	0.6806597	0.91051	
670	0.7	0.9172	
675	0.680916		
680	0.6723164	0.9276	
685	0.6844156	0.93254	
690	0.6791209	0.9379	
695	0.6755981	0.9448	
700	0.6758794	0.9517	
705	0.6707882	0.9586	
710	0.6714594	0.9655	
715	0.6628222		
720	0.6692965		

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740 0.6522033 0.9931 0.647703097				
740 0.04002000			0.9931	
(50) (16531148) 0.000201 0.045505000				
705 0.043401012	735			

Aircraft: N/A

Part Name: Coupon - PILKINGTON

Manufactured: N/A

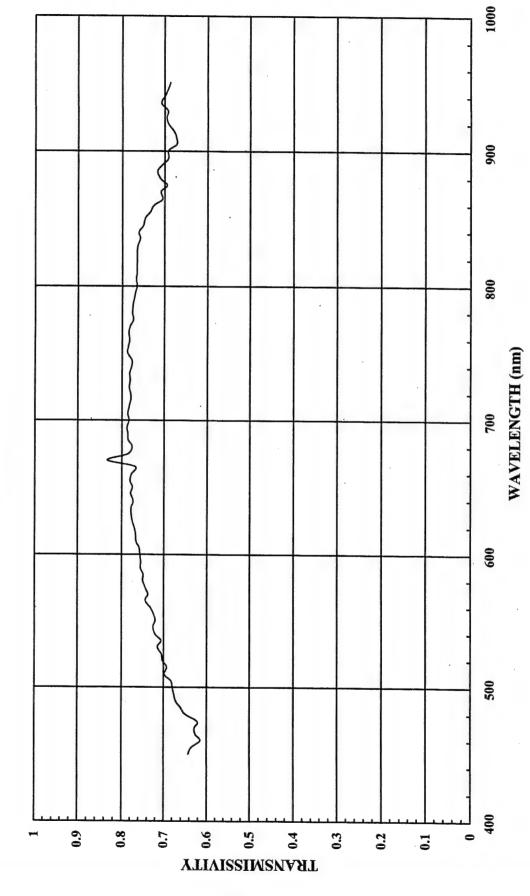
S/N# S-21 @ 25 Degrees

Material Type: Solar

Construction: N/A

COUPON (PILKINGTON, GOLD COAT, SOLAR, S/N#S-21) @ 25 DEGREES

Tavg = 77%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.6425234	0.0001	6.42523E-0
455	0.6363636		7.15909E-0
460	0.6152304		7.56733E-0
465	0.6259542		8.60687E-0
470	0.6284658		9.42699E-0
475	0.6216697	0.00016172	
480	0.6502547	0.000175	0.00011379
485	0.6600986	0.00019375	0.00012789
. 490	0.6713396	0.0002125	0.0001426
495	0.6763005		
500	0.6796116	0.0002375	
505	0.6828254	0.00027656	
510	0.6986111	0.0003125	0.00021831
515	0.6924084	0.00034279	
520	0.7030303	0.000375	0.00026363
525	0.7046751	0.00041875	0.00029508
530	0.7149425	0.0004625	0.00033066
535	0.7062212	0.00050703	0.00035807
540	0.7202718	, 0.00055	0.00039614
545	0.7258236	0.00058359	
550	0.7199191	0.000625	0.00044994
555	0.7238659	0.0007	0.00050670
560	0.7311412	0.000775	0.00056663
565	0.7439253	0.00085	0.00063233
570	0.7378378	0.000925	0.000682
575	0.7434326	0.0014525	0.00107983
580	0.75	0.00198	0.00148
585	0.7489252	0.0047175	0.00353305
590	0.7554622	0.0078	0.00589260
595	0.7547619	0.0114	0.00860428
600	0.7569956	0.015	0.01135493
605	0.7582805	0.026263	0.01991472
610	0.7660778	0.052	0.03983604
615	0.767033	0.088388	0.067796513
620	0.7702805	0.175	0.13479908
625	0.7749615	0.43288	0.33546533
630	0.7778614	0.6138	0.47745132
635	0.777778	0.67756	0.526991120
640	0.7733051	0.7448	0.57595763
645	0.779452	0.82458	0.64272053
650 655	0.7751359 0.7809139	0.8897 0.89654	0.6896384
			0.700120548
660 665	0.7775393 0.7687075	0.9034 0.91051	0.702429004 0.699915866
670	0.8333334	0.91051	0.764333394
675	0.7859375	0.9172	0.724956609
680	0.7760116	0.9276	0.71982830
685	0.7851458	0.93254	0.73217986
690	0.7857143	0.9379	0.73692144
695	0.7878788	0.9448	0.7443878
700	0.7834179	0.9517	0.74557881
705	0.7862177	0.9586	0.75366828
710	0.7837838	0.9655	0.75674325
715	0.7791495	0.9033	0.758143629
713	0.7795485	0.97304	0.763411846
725	0.783093	0.9802	0.767587759

				COEFFICIENT)
				TRANSMISSION
			0.700747894	
		Tnvg(SUM/NVG):		(SPECTRAL
		SUM:	37.43688541	
		0.0002143	0	0
	950	0.6862745	0	. 0
	945	0.6931217	0	
	940	0.7076166 0.7005076	0	0
	930 935	0.6924829	0.0069	0.004778132
100	Mary and an extension of the second	0.6956522	0.015525	0.0108
	920	0.6916667	0.0276	0.019090001
the second secon	915 920	0.678501	0.043125	0.029260356
	910	0.6729679	0.0621	0.041791307
	905	0.6721015	0.11009	0.073991654
	900	0.691228	0.175	0.1209649
	895	0.6911764	0.25704	0.177659982
	890	0.7056075	0.3448	0.243293466
	885	0.7170088	0.42523	0.304893652
	880	0.7096336	0.5034	0.357229554
•		0.6943005	0.58016	0.402805378
	870	0.7085928	0.6552	0.46427000
	865	0.7050529	0.72848	0.51361693
	860		0.8	0.5809203
	855		0.86334	0.63366937
	850	0.7458848	0.9103	0.67897893
	845	0.7507331	0.9172	0.68857239
	840	0.7608696	0.9241	0.70311959
	835		0.93402	0.70753939
	830	0.7636204	0.9448	
	825	0.7647569	0.95515	0.73045755
	820	0.7647562	0.9655	0.73837211
	815		0.97283	0.74446234
•	810	0.765422	0.9793	0.74957776
	805	0.7673107	0.9862	0.75672181
	800		0.9931	0.76002548
	795		0.9938	
	790	0.7725322	0.9945	
	785	0.7751359	0.99543	0.77159352
	780		0.9966	0.77219284 0.7734231
	775		0.99814	0.781269
	770		1	
	765		1	002001
	760			0.785621
	755		1	0.787417
	750		0.99719	
	745		0.9931	
	740		0.98838	
	735			

Aircraft: N/A

Part Name: Coupon - SIERRACIN

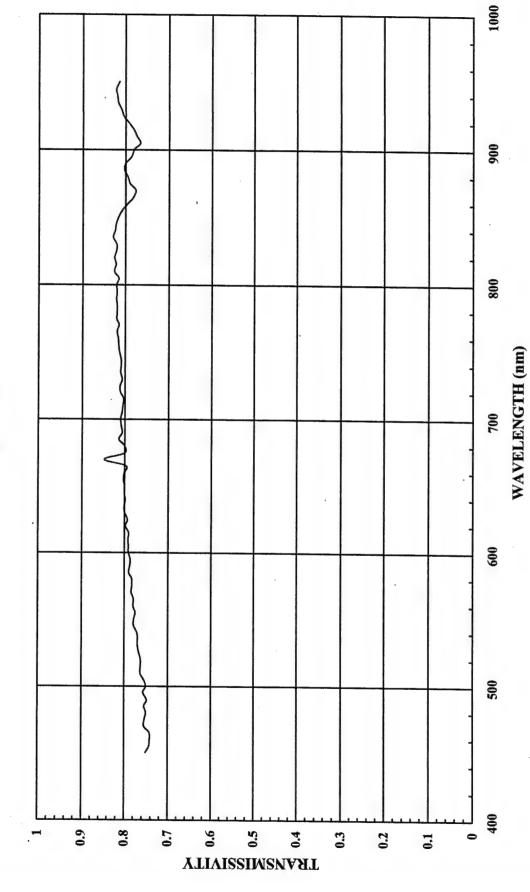
Manufactured: N/A

S/N# S-16 @ 25 Degrees

Material Type: Solar

Construction: N/A

COUPON (SIERRACIN, GOLD COAT, SOLAR, S/N# S-16) @ 25 DEGREES Tnvg=81%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	The state of the s	0.0001	7.51445E-0
455	0.7435897	0.0001125	
460			
465		0.0001375	
470		0.00015	
475		0.00016172	0.00012195
480		0.000175	
485		0.00019375	
490		0.0002125	
495	0.7567237	0.00022266	0.00016849
. 500	0.7508772	0.0002375	
505	0.7550059	0.00027656	
510	0.7632509	0.0003125	1
515		0.00034279	0.00026150
520	0.7625899 0.7661449	0.000375	
525 520		0.00041875	0.00032082
530 535	0.7699115 0.7697628	0.0004625 0.00050703	
540	0.7710961	0.0005	
545	0.7787934	0.00058359	0.00042410
550	0.7785589	0.000625	0.00043449
5 55	0.7753191	0.0007	0.00054272
560	0.7802014	0.000775	0.00060465
• 565	0.7793048	0.00085	0.00066240
570	0.7844828	0.000925	0.00072564
575	0.7833714	0.0014525	0.00113784
. 580	0.7831326	0.00198	0.00155060
585	0.7902622	0.0047175	0.00372806
590	0.7881232	0.0078	0.00614736
595	0.7867036	0.0114	0.00896842
600	0.7907276	0.015	0.01186091
605	0.7908415 0.7918719	0.026263	0.0207698
610 615	0.7918719	0.052 0.088388	0.04117733 0.06989346
. 620	0.7907574	0.065366	0.06969346
625	0.7934051	0.43288	0.343449
630	0.8002646	0.6138	0.49120241
635	0.8010302	0.67756	0.54274602
640	0.7985028	0.7448	0.59472488
645	0.8004866	0.82458	0.66006524
650	0.8007203	0.8897	0.71240085
655	0.8027251	0.89654	0.71967516
660	0.8012658	0.9034	0.72386352
665	0.797546	0.91051	0.72617360
670	0.8480392	0.9172	0.77782155
675	0.8008299	0.92241	0.73869350
680	0.8007762	0.9276	0.74280000
685	0.8139811	0.93254	0.75906993
690	0.8063555	0.9379	0.75628082
695	0.8081597	0.9448	0.76354928
700	0.8100303	0.9517	0.77090583
705	0.8072626	0.9586	0.77384192
710	0.8054652 0.8033088	0.9655	0.77767665
715 720	0.8033088	0.97304 0.9793	0.78165159 0.79379129

895 0.7870091 900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169 925 0.8043912 930 0.8092244 935 0.8173719 940 0.8190255 945 0.8215159 950 0.8139535 SUM: Tnvg(SUM/NVG):	0.0069 0 0 0 0 0 39.46727375 0.810440913	0.021891464 0.012488173 0.005583648 0 0 0 0 (SPECTRAL TRANSMISSION
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169 925 0.8043912 930 0.8092244 935 0.8173719 940 0.8190255 945 0.8215159 950 0.8139535	0 0 0 0 0 39.46727375	0.012488173 0.005583648 0 0 0
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169 925 0.8043912 930 0.8092244 935 0.8173719 940 0.8190255 945 0.8215159 950 0.8139535	0 0 0 0 0 39.46727375	0.012488173 0.005583648 0 0 0
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169 925 0.8043912 930 0.8092244 935 0.8173719 940 0.8190255 945 0.8215159 950 0.8139535	0 0 0	0.012488173 0.005583648 0 0
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169 925 0.8043912 930 0.8092244 935 0.8173719 940 0.8190255 945 0.8215159	0 0 . 0	0.012488173 0.005583648 0 0
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169 925 0.8043912 930 0.8092244 935 0.8173719 940 0.8190255 945 0.8215159	0 0 . 0	0.012488173 0.005583648 0 0
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169 925 0.8043912 930 0.8092244 935 0.8173719 940 0.8190255	0	0.012488173 0.005583648 0 0
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169 925 0.8043912 930 0.8092244 935 0.8173719	0	0.012488173 0.005583648
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169 925 0.8043912 930 0.8092244		0.012488173
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169 925 0.8043912	0.0000	0.012488173
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216 920 0.793169	0.015525	0.021891464
900 0.7804487 905 0.7666667 910 0.7744755 915 0.7806216	0.0276	
900 0.7804487 905 0.7666667 910 0.7744755	0.043125	0.033664307
900 0.7804487 905 0.7666667	0.0621	0.048094929
900 0.7804487	0.11009	0.084402337
	0.175	0.136578523
	0.25704	0.202292819
890 0.8	. 0.3448	0.27584
885 0.8026845	0.42523	0.34132553
880 0.7945206	0.5034	0.39996167
875 0.7897252	0.58016	0.458166972
870 0.7775256	0.6552	0.509434773
865 0.7825619	0.72848	0.570080693
860 0.7961066	0.8	0.63688528
855 . 0.8078431	0.86334	0.697443262
850 0.8159624	0.9103	0.742770573
845 0.8218442	0.9172	0.7537955
840 0.8242894	0.9241	0.761725835
835 0.8283333	0.93402	0.773679869
830 0.8197116	0.9448	0.77446352
825 0.821119	0.95515	0.784291813
820 0.825273	0.9655	0.796801082
815 0.8215384	0.97283	0.799217202
810 0.8251286	0.9793	0.808048438
805 0.8150037	0.9862	0.803756649
800 0.8198006	0.9931	0.814143976
795 0.8191057	0.9938	0.814027245
790 0.8205958	0.9945	0.816082523
785 0.8190184	0.99543	0.815275486
780 0.8188701	0.9966	0.816085942
775 0.8198198	0.99814	0.818294935
770 0.8145474	1	0.8145474
765 0.818792	1	0.818792
760 0.8158495	1	0.8158495
755 0.8149446	1	0.8149446
750 0.8132064	1	0.8132064
745 0.8093481	0.99719	0.807073832
740 0.809377	0.9931	0.803792299
735 0.8104575	0.98838	0.801039984
730 0.8069452	0.9828	0.793065743
725 0.8118406	0.9802	0.795766156

Aircraft: N/A

Part Name: Coupon - TEXSTARS

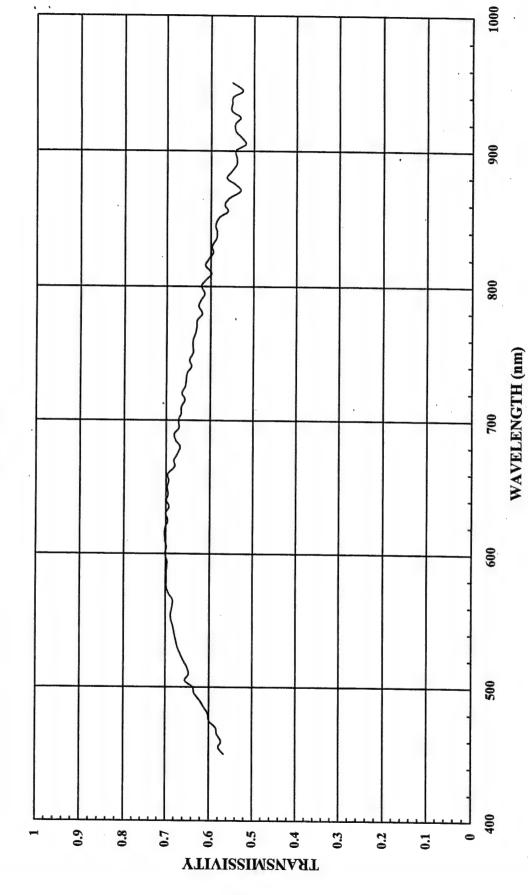
Manufactured: N/A

S/N# S-15 @ 25 Degrees

Material Type: Solar

Construction: N/A

COUPON (TEXSTARS, GOLD COAT, SOLAR, S/N# S-15) @ 25 DEGREES Tnvg=63%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.5663508	0.0001	5.66351E-05
455	0.5784754	0.0001125	6.50785E-05
460	0.5726141	0.000123	
465	0.5822051	0.0001375	
470	0.5850468	0.00015	
475	0.5996409	0.00016172	
480	0.6023689	0.000175	
485	0.6118421	0.00019375	
490	0.6199377	0.0002125	
495	0.6334776	0.00022266	
500	0.6369959	0.0002375	
505	0.6550279	0.00027656	
510	0.6464089	0.0003125	
515	0.6506493	0.00034279	
520	0.6590636	0.000375	
525	0.665529	0.00041875	
530	0.672811	0.0004625	
535	0.6762673	0.00050703	
540	0.679415	0.00055	
545	0.682824	. 0.00058359	0.000398489
550	0.6869301	0.000625	0.00042933
555	0.6882989	0.0007	0.000481809
560	0.6852743	0.000775	0.000531088
565	0.6839666	0.00085	
570	0.6929982	0.000925	
575	0.6981627	0.0014525	
580	0.6982759	0.00198	0.00138258
585	0.6985483	0.0047175	0.003295402
590	0.6976744	. 0.0078	0.0054418
595	0.6970173	0.0114	0.00794599
600	0.7018951	0.015	
605	0.6985345	0.026263	
610	0.7020379	0.052	
615	0.7029197 0.7013574	0.088388 0.175	0.06212966 0.12273754
620 625	0.6958175	0.173	
630	0.7006701	0.43288	
635	0.6929191	0.67756	
640	0.6993007	0.7448	
645	0.6953552	0.82458	0.57337599
650	0.6975017	0.8897	0.620567262
655	0.6938912	0.89654	0.622101210
660	0.6963016	0.9034	0.62903886
665	0.6806597	0.91051	0.61974746
670	0.6823529	0.9172	
675	0.6748092	0.92241	0.62245075
680	0.6680791	0.9276	0.61971017
685	0.6779221	0.93254	0.63218947
690	0.6813187	0.9379	
695	0.6708134	0.9448	0.633784
700	0.6716918	0.9517	0.63924908
705	0.6661515	0.9586	0.63857282
710	0.6657081	0.9655	
715	0.6573948	0.97304	0.63967143
720	0.6646943	0.9793	

			COEFFICIENT)
			TRANSMISSION
	Thirtigiounimit of:	0.63469751	(SPECTRAL
	Tnvg(SUM/NVG):	30.90882995	
The state of the s	SUM:	20 0000000	
930	0.5511364	0	
945 950		. 0	-
940 945		0	
935		0	
930		0.0069	0.003813991
925	0.5321889	0.015525	0.008262233
920		0.0276	0.015028573
915		0.043125	0.023437502
910		0.0621	0.032827675
905		0.11009	0.057254837
900		0.175	0.09500876
895		0.25704	0.139020007
890	0.5412131	0.3448	0.18661027
885	0.5513196	0.42523	0.234437634
880	0.5636115	0.5034	0.283722029
875		0.58016	0.34526509
870		0.6552	0.34820125
865		0.72848	0.4069911
860		0.8	0.4545861
855		0.86334	0.32922247
850	0.5813715	0.9103	0.52922247
845		0.9172	
840	0.5859155	0.9241	
835		0.93402	0.54828403
830		0.9448	0.5644045
825		0.95515	
820		0.9655	
815		0.97283	
810		0.9793	
805		0.9862	
800		0.9931	
795		0.9938	4.0.00000
790		0.99543	
785		0.99543	
780		0.9966	
775		0.99814	0.001102
770		1	0.000010
765		1	
760		1	
755			0.000001
750		0.99719	7.7.001110
745		0.9931	
740		0.98838	
735		0.9828	
730	0.656939	0.9802	

Aircraft: N/A

Part Name: Coupon - PILKINGTON

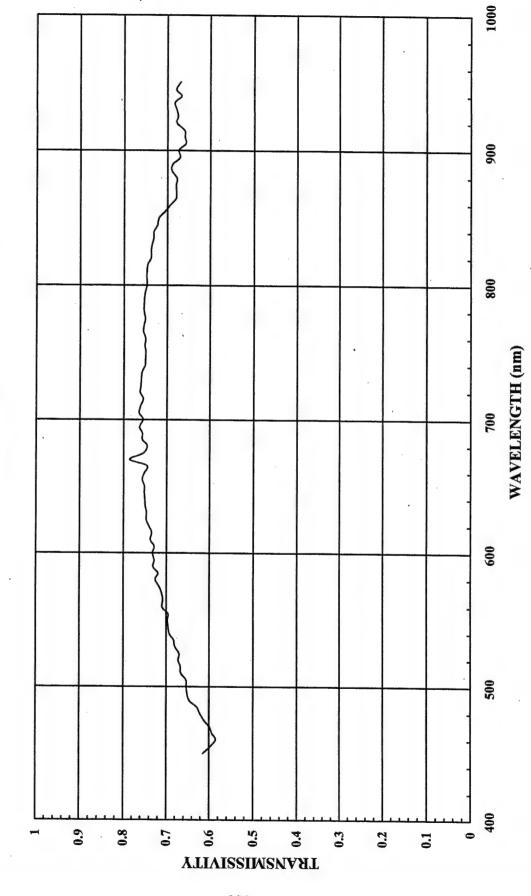
Manufactured: N/A

S/N# S-21 @ 40 Degrees

Material Type: Solar

Construction: N/A

COUPON (PILKINGTON, GOLD COAT, SOLAR, S/N# S-21)@ 40 DEGREES Tnvg = 74%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.614486	0.0001	6.14486E-0
455	0.5986696	0.0001125	6.73503E-0
460	0.5851703	0.000123	7.19759E-0
465	0.5935114	0.0001375	8.16078E-0
470	0.5988909	0.00015	8.98336E-0
475	0.6110124	0.00016172	9.88129E-0
480	0.6213922	0.000175	0.00010874
485 490	0.6288999	0.00019375	0.00012184
490	0.6464175	0.0002125	0.00013736
500	0.6517341 0.6532594	0.00022266	0.00014511
505	0.6537396	0.0002375	0.00015514
510	0.6666666	0.00027656 0.0003125	0.00018079
510 515	0.6675393	0.0003125	0.00020833 0.00022882
520	0.6727273	0.00034279	0.00025227
525	0.6704676	0.000375	0.00028275
530	0.6804597	0.00041875	0.00028075
535	0.6831797	0.00050703	0.00034639
540	0.6930917	0.00055	0.0003812
545	0.696068	0.00058359	0.00040621
550	0.6976744	0.000625	0.00043604
555	0.6962525	0.0007	0.00048737
. 560	0.7098646	0.000775	0.00055014
565	0.7084112	0.00085	0.0006021
570	0.7108108	0.000925	0.0006579
575	0.7162872	0.0014525	0.00104040
580	0.7257785	0.00198	0.00143704
585	0.7196904	0.0047175	0.00339513
590	0.7310925	0.0078	0.00570252
595	0.7285714	0.0114	0.00830571
600	0.7326952	0.015	0.01099042
605	0.7286821	0.026263	0.019137378
610	0.7378092	0.052	0.038366078
615 620	0.7347986 0.7414708	0.088388 0.175	0.064947379 0.12975739
625	0.7473118	0.43288	0.323496332
630	0.7469879	0.43288	0.458501173
635	0.75	0.67756	0.50817
640	0.7507062	0.7448	0.559125978
645	0.7520604	0.82458	0.620133965
650	0.7520381	0.8897	0.669088298
655	0.7567204	0.89654	0.678430107
660	0.7525036	0.9034	0.679811752
665	0.7460318	0.91051	0.679269414
. 670	0.7857143	0.9172	0.720657156
675	0.7546875	0.92241	0.696131297
680	0.7456648	0.9276	0.691678668
685	0.7572944	0.93254	0.70620732
690	0.7566964	0.9379	0.709705554
695	0.7634408	0.9448	0.721298868
700	0.7554991	0.9517	0.719008493
705	0.7642913	0.9586	0.73264964
710	0.76187 0.7551441	0.9655 0.97304	0.735585485
715 720	0.7551441	0.97304	0.734785415 0.746504917

			COEFFICIENT)
			TRANSMISSION
	Interest of the state of the st	0.743180739	(SPECTRAL
	Tnvg(SUM/NVG):		(SDECTDAL
	SUM:	36.19180276	
	0.0004070	V	0
950		0	0
945		0	0
940		0	0
938		0.0069	0.004683827
930		0.015525	0.010496251
92		0.0276	0.018745001
920		0.043125	0.028494822
91		0.0621	0.040969562
910		0.11009	0.072396142
900		0.175	0.117894735
900		0.25704	0.172619993
899		0.3448	0.237385697
890		0.42523	0.293670557
. 88		0.5034	0.341519648
880		0.58016	0.39453891
. 87		0.6552	0.445503371
870		0.72848	0.49564038
86		0.8	
86			0.60876538
85	0.7054000	0.86334	0.654629319
85		0.9172	0.663468268
84		0.9241	0.676042913
84		0.93402	
83		0.93402	0.683699278
83		0.93313	0.695731446
82		0.95515	0.712768596
82		0.9655	0.725500428
81		0.97283	0.725500425
81		0.9793	0.732090307
. 80		0.9862	0.737664878
80	0.7472528	0.9931	0.742096756
79	0.751497	0.9938	0.746837719
79	0.7532189	0.9945	0.749076196
78	0.7540761	0.99543	0.750629972
78	0.7540558	0.9966	0.75149201
77		0.99814	0.749846487
77	0.7541589	1	0.7541589
76		1	0.755597
76	0.7498421	1	0.749842
75	0.7519431	. 1	0.7519431
75	0.7496689	. 1	0.7496689
74	5 0.7503411	0.99719	0.748232642
74		0.9931	0.746016223
73	5 0.7584381	0.98838	
73	0.7597103	0.9828	
72	0.7608126	0.9802	0.745748511

Aircraft: N/A

Part Name: Coupon - SIERRACIN

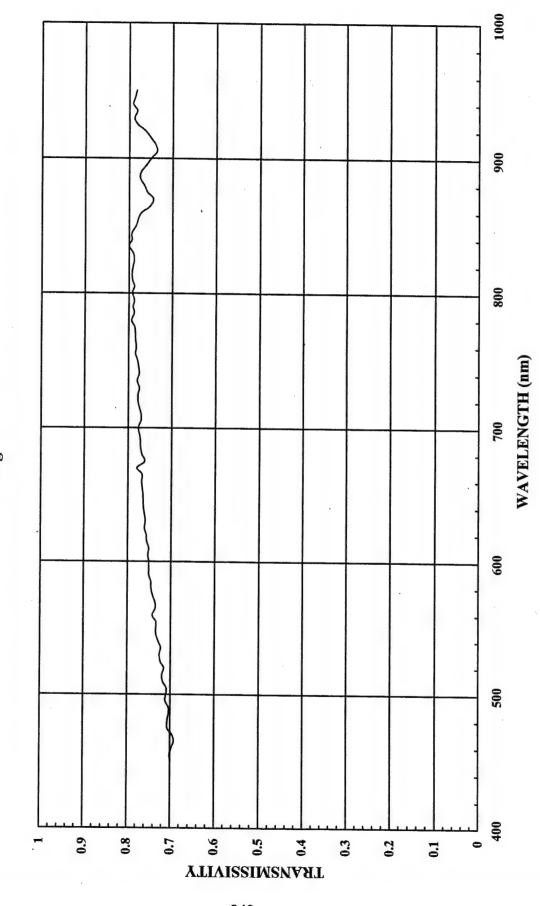
Manufactured: N/A

S/N# S-16 @ 40 Degrees

Material Type: Solar

Construction: N/A

COUPON (SIERRACIN, GOLD COAT, SOLAR, S/N# S-16) @ 40 DEGREES Tnvg = 78%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.699422	0.0001	6.99422E-05
455	0.7014652	0.0001125	7.89148E-05
460	0.6977929	0.000123	8.58285E-05
465		0.0001375	
470	0.6961241	0.00015	
475	0.7064083	0.00016172	0.00011424
480	0.7065527	0.000175 0.00019375	
485	0.7040111 0.703268	0.00019375	
490 495	0.7114915		0.00014944
. 500	0.7114915		
505	0.7090695		
510	0.7173145		
515	0.7192394	0.00034279	0.00022410
520	0.7153134	0.00034273	
525	0.723092		0.00030279
530	0.7256637		
5 35	0.722332		0.00036624
540	0.728419	0.00055	
545	0.7340037	0.00058359	
550	0.7346221	0.000625	
555	0.7336169	0.0007	0.000513533
560		0.000775	
· 565		0.00085	
570	0.7366771	0.000925	
575		0.0014525	
. 580		0.00198 0.0047175	
585		0.0047175	
590 595		0.0078	0.00855789
600	0.7508049	0.014	
605	0.7530941	0.026263	0.0197785
610	0.7512315	0.052	
615	0.7560976	0.088388	
620	0.7573333	0.175	
625	0.7611036	0.43288	
630		0.6138	
635	0.7617514	0.67756	
640	0.7635683	0.7448	
645	0.7645985	0.82458	
650	0.7653062	0.8897	0.68089292
655	0.7671801	0.89654	0.68780764
660	0.7683545 0.7675528	0.9034 0.91051	0.69413145 0.698864
665	0.7675528	0.91051	
670 675	0.7621023	0.92241	0.70297078
680	0.7684346	0.9276	
685	0.7713271	0.93254	
690	0.7715988	0.9379	
695	0.7734374	0.9448	0.73074365
700	0.7765958	0.9517	0.73908622
705	0.7709497	0.9586	
710	0.7703318	0.9655	
715	0.7745098	0.97304	
720	0.7779098	0.9793	0.76180706

825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042 53512 16317
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 886 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.764329 0.76483974 0.175 0.1309 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 910 0.7395105 0.0621 0.0459 915 0.79628084 0.0276 0.0210 925 0.7804391 0.015525 0.0121 930 0.78826 0.0069 0.0069 945 0.7817372 0.9909 0.0069 940 0.7917372 0.0069 0.0069 945 0.7628084 0.0276 0.0210 925 0.7804391 0.015525 0.0121 930 0.78826 0.0069 0.0054 935 0.7817372 0.0069 940 0.7911833 0.0069 945 0.7829458 0.0069 950 0.7829458 0.0069 950 0.7829458 0.0069 950 0.7829458 0.0069 950 0.7829458 0.00777395523 (SPECTRAL	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042 53512 16317 38994 0
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.7752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 886 0.761626 0.5034 0.3849 885 0.77544966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7386666 0.11009 0.0810 910 0.7395105 0.0621 0.0459 915 0.749643 0.0276 0.0210 925 0.7804391 0.015525 0.0121 930 0.782866 0.0069 0.0054 935 0.7817372 0.0069 0.0054 940 0.7911833 0.993 945 0.787286 0.995 950 0.7829458 0.995 945 0.787286 0.995 946 0.7829458 0.995	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042 53512 16317 38994 0
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.775241 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7664326 0.5034 0.3849 885 0.7774966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 910 0.7395105 0.0621 0.0459 915 0.749543 0.043125 0.0323 920 0.7628084 0.0276 0.0210 925 0.780498 0.05826 0.0069 0.0054 935 0.7817372 0 940 0.7911833 0	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042 53512 16317 38994 0
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 915 0.749543 0.043125 0.032	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042 53512 16317 38994 0
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 915 0.749543 0.043125 0.032	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042 53512 16317 38994 0
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.71137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 915 0.749543 0.043125 0.02	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042 53512 16317 38994
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 915 0.749543 0.043125 0.032	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042 53512 16317 38994
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 915 0.749543 0.043125 0.032	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042 53512 16317
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9107 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 915 0.749543 0.043125 0.032	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042 53512 16317
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 915 0.749543 0.043125 0.021	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 915 0.749543 0.043125 0.032	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602 24042
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810 910 0.7395105 0.0621 0.0459	24379 67424 52171 16051 39189 81128 92083 69545 99626 23602
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.77728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309 905 0.7366666 0.11009 0.0810	24379 67424 52171 16051 39189 81128 92083 69545 99626
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956 900 0.7483974 0.175 0.1309	24379 67424 52171 16051 39189 81128 92083
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664 895 0.7613293 0.25704 0.1956	24379 67424 52171 16051 39189 81128 92083
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293 890 0.7728571 0.3448 0.2664	24379 67424 52171 16051 39189 81128
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849 885 0.7744966 0.42523 0.3293	24379 67424 52171 16051 39189
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394 880 0.7646326 0.5034 0.3849	24379 67424 52171
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878 875 0.7574672 0.58016 0.4394	24379 67424
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481 870 0.7446084 0.6552 0.4878	24379 67424
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61 865 0.752422 0.72848 0.5481	
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728 860 0.772541 0.8 0.61	80328
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137 855 0.7794118 0.86334 0.6728	
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728 850 0.7840375 0.9103 0.7137	
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330 845 0.7940913 0.9172 0.728	
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7 840 0.7932817 0.9241 0.7330	
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464 835 0.8 0.93402 0.7	71619
825 0.7880221 0.95515 0.7526 830 0.7900641 0.9448 0.7464	47216
825 0.7880221 0.95515 0.7526	52562
0.7030	
0.7000547	63866
815 0.7930769 0.97283 0.7715	
810 0.7920647 0.9793 0.7756	68961
805 0.7873271 0.9862 0.7764	61986
800 0.7920228 0.9931 0.7865	57843
795 0.7872629 0.9938 0.782	38187
790 0.7901555 . 0.9945 0.7858	
785 0.78773 0.99543 0.7841	
780 0.7932441 0.9966 0.790	54707
775 0.786036 0.99814 0.7845	
770 0.7845641 1 0.78	45641
765 0.7841164 1 0.78	41164
760 0.7822121 1 0.78	22121
755 0.7840046 1 0.78	40046
750	79298
745 0.7761378 0.99719 0.7739	
740 0.7754473 0.9931 0.7700	
735 0.7795603 0.98838 0.7705	
725 0.7778429 0.9802 0.7624 730 0.7745733 0.9828 0.7612	

Aircraft: N/A

Part Name: Coupon - TEXSTARS

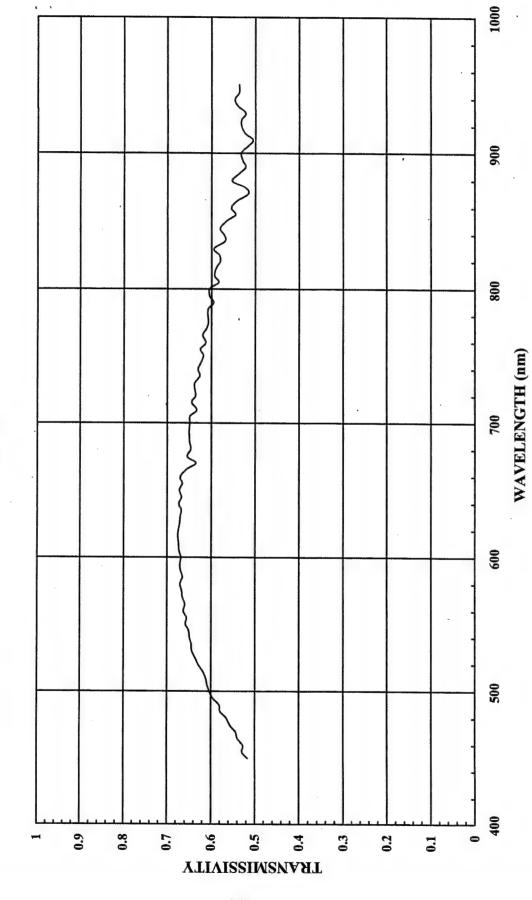
Manufactured: N/A

S/N# S-15 @ 40 Degrees

Material Type: Solar

Construction: N/A

COUPON (TEXSTARS, GOLD COAT, SOLAR, S/N# S-15) @ 40 DEGREES Tnvg = 61%



1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SPECTRA-	RELATIVE	NVG
A ALBERT AND EL CONTROL DE LA	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450		0.0001	5.16588E-0
455	0.529148	0.0001125	5.95292E-0
460	0.526971	0.000123	6.48174E-0
465	0.5396519	0.0001375	7.42021E-0
470		0.00015	8.15888E-0
475	0.5565529	0.00016172	9.00057E-0
480		0.000175	9.89002E-0
485	0.5789474	0.00019375	0.00011217
490	0.5809969		0.00012346
495		0.00022266	0.00013301
500	0.6036162	0.0002375	0.00014335
505	0.6089386	0.00027656	0.00016840
510	0.6118784	0.0003125	0.00019121
515	0.6194805	0.00034279	0.00021235
520	0.6290516	0.000375	0.00023589
525	0.63595	0.00041875	0.00026630
530	0.6440092	0.0004625	0.00029785
535	0.6451613	0.00050703	0.00032711
540	0.6490439	0.00055	0.00035697
545	0.6512118	. 0.00058359	0.00038004
550	0.6585613	0.000625	0.00041160
555	0.6558505	0.0007	0.00045909
560	0.6631377	0.000775	0.00051393
565	0.6598703	0.00085	0.0005608
570	0.6651706	0.000925	0.00061528
575	0.6666667	0.0014525	0.00096833
580	0.6706896	0.00198	0.00132796
585	0.6652434	0.0047175	0.00313828
590 595	0.6694352 0.6711146	. 0.0078 0.0114	0.00522159
600	0.6690962	0.045	0.00765070 0.01003644
605	0.6734124	0.026263	0.0176858
610	0.6739283	0.020203	0.03504427
615	0.6759124	0.088388	0.05974254
620	0.6749623	0.175	0.03974234
625	0.6722434	0.43288	0.29100072
630	0.6708861	0.6138	0.41178988
635	0.6683526	0.67756	0.45284898
640	0.6741259	0.7448	0.5020889
645	0.6680328	0.82458	0.55084648
650	0.6725186	0.8897	0.59833979
655	0.6660027	0.89654	0.59709806
660	0.670697	0.9034	. 0.6059076
665	0.6566717	0.91051	0.5979061
670	0.6352941	0.9172	0.58269174
675	0.6549618	0.92241	0.60414331
680	0.6468927	0.9276	0.60005766
685	0.6493506	0.93254	0.60554540
690	0.6505495	0.9379	0.61015037
695	0.6507177	0.9448	0.61479808
700	0.6490788	0.9517	0.61772829
705	0.6491499	0.9586	0.62227509
710	0.6333573	0.9655	0.61150647
715	0.6451832	0.97304	0.62778906
720	0.6364234	0.9793	0.62324943

			COEFFICIENT)
			TRANSMISSION
	THAR(SOUTHARD):	0.614606218	(SPECTRAL
	Tnvg(SUM/NVG):	29.93041377	(CDV) COVID 1.
The state of the s	SUM:	00 00044077	
950	0.5369318	0	0
945 950	0.5368421	0	0
940	0.5465995	0	0
935	0.5414634	0	0
930	0.5229358	0.0069	0.003608257
925	0.5321889	0.015525	0.008262233
920	0.5320911	0.0276	0.014685714
915	0.5237154	0.043125	0.022585227
910	0.5057252	0.0621	0.031405535
905	0.5182481	0.11009	0.057053933
900	0.5323993	0.175	0.093169878
895	0.5294117	0.25704	0.136079983
890	0.5225506	0.3448	0.180175447
885	0.5366569	0.42523	0.228202614
880	0.5526676	0.5034	0.27821287
875	0.5232558	0.58016	0.303572085
870	0.5166461	0.6552	0.338506525
. 865	0.5446009	0.72848	0.396730864
860	0.5548098	0.8	0.44384784
855	0.5452609	0.86334	0.470745545
850	0.5649949	0.9103	0.514314857
845	0.5803311	0.9172	0.532279685
840	0.570892	0.9241	0.527561297
835	0.5689811	0.93402	0.531439727
830	0.5947598	0.9448	0.561929059
825	0.5817556	0.95515	0.555663861
820	0.5802048	0.9655	0.560187734
815	0.5894206	0.97283	0.573406042
810	0.5933977	0.9793	0.581114368
805	0.583732	0.9862	0.575676498
800	0.6039063	0.9931	0.599739347
795	0.6041667	0.9938	0.600420866
790	0.5951704	0.9945	0.591896963
785	0.6075523	0.99543	0.604775786
780	0.6082803	0.9966	0.606212147
775	0.6071649	0.99814	0.606035573
770	0.6117505	1	0.6117505
765		1	0.6200981
			0.612883
	0.618241		
745			
740			
735			
730			
740 745 750 755 760	0.6384916 0.6262295 0.6305084 0.62441 0.618241 0.6250799 0.612883	0.9802 0.9828 0.98838 0.9931 0.99719 1	

Aircraft: N/A

Part Name: Coupon - PILKINGTON

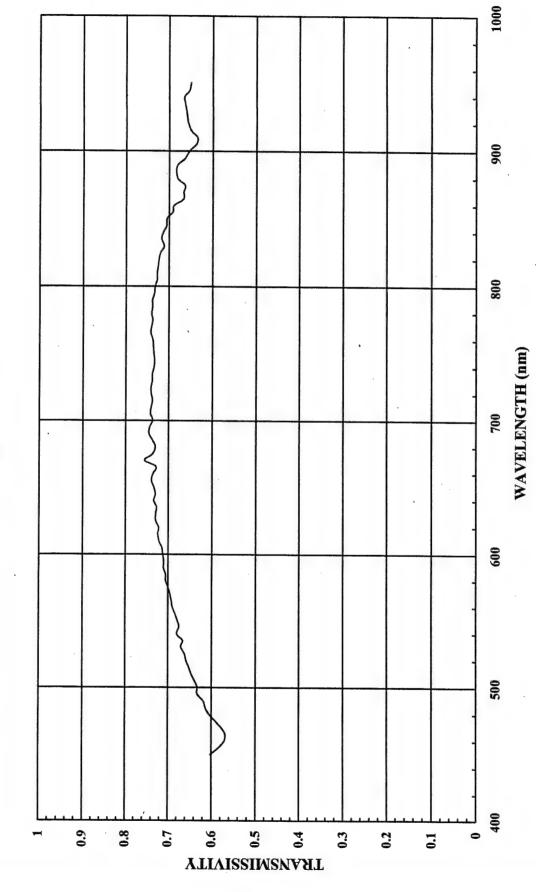
Manufactured: N/A

S/N# S-21 @ 45 Degrees

Material Type: Solar

Construction: N/A

COUPON (PILKINGTON, GOLD COAT, SOLAR, S/N# S-21) @ 45 DEGREES Tnvg = 73%



	SPECTRA-	RELATIVE	NVG
Substitution of the substi	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450		0.0001	6.02804E-05
455		0.0001125	
460		0.000123	
465		0.0001375	
470		0.00015	
475		0.00016172	
480		0.000175	0.0001060
485		0.00019375	
490	0.6183801	0.0002125	0.00013140
495	0.6329479	0.00022266	0.00014093
500	0.6324549	0.0002375	0.00015020
505	0.6385041	0.00027656	0.00017658
510	0.6458333	0.0003125	0.00020182
515	0.6518325	0.00034279	
520	0.6581818	0.000375	
525	0.6613455	0.00041875	0.00027693
530	0.6701149	0.0004625	0.00030992
535	0.6658986	0.00050703	0.00033763
540	0.6795017	0.00055	0.00037372
545	0.674814	0.00058359	
550	0.678463	0.000625	
555	0.683432	0.0007	0.00047840
. 560	0.6895551	0.000775	
565	0.6925234	0.00085	
570	0.6954954	0.000925	
575	0.6996498	0.0014525	
580		0.00198	
585	0.7059329	0.0047175	
590	0.7109243	0.0078	
595	0.7103175	0.0114	
600	0.7128129	0.015	
605	0.7145877	0.026263	
610	0.7215547	0.052	
615	0.7245421 0.722517	0.088388 0.175	
620 625	0.7296466	0.175	
		0.43286	
630 635	0.7296687 0.7280701	0.67756	
640	0.7344633	0.7448	
645	0.7307692	0.82458	
650	0.734375	0.8897	0.653373438
655	0.7399194	0.89654	
660	0.7367668	0.9034	
665	0.7294029	0.91051	0.66412863
670	0.7559524	0.9172	
675	0.7375	0.92241	0.68027737
680	0.7312139	0.9276	
685	0.7374005	0.93254	
690	0.7455357	0.9379	
695	0.744868	0.9448	
700	0.7377326	0.9517	0.70210011
705	0.7423649	0.9586	
710	0.7414171	0.9655	
715	0.7379972	0.97304	
720	0.7410358	0.9793	0.72569635

			COEFFICIENT)
			TRANSMISSION
	Interest and in the state of th	0.726545133	
	Tnvg(SUM/NVG):		(CDECTD A)
	SUM:	35.38167332	
	0.01000	0	<u> </u>
950		0	0
945		0	0
940		0	
935		0.0089	0.004558087
930		0.015525 0.0069	0.010226251
925		0.0276	0.0181125
920	The state of the s	0.043125	0.027984468
915		0.0621	0.039443479
910		0.11009	0.070202323
. 905		0.175	0.11421053
900		0.25704	0.170519976
895		0.3448	0.234700326
890		0.42523	0.290553025
888		0.5034	0.342202712
875 880		0.58016	0.384769306
870		0.6552	0.436528048
865		0.72848	0.48622404
860		0.8	0.5512906
855		0.86334	0.59677453
850		0.9103	0.64151799
		0.9172	0.647329859
840 845		0.9241	0.65944755
10.000		0.93402	0.670076316
830 835		0.9448	0.67248502
825		0.95515	0.68734313
820		0.9655	0.69872800
815		0.97283	0.70571403
810		0.9793	0.71301305
809		0.9862	0.71781375
800		0.9931	0.7272859
79:		0.9938	0.72972895
790		0.9945	0.73484868
78		0.99543	0.735076378
780		0.9966	0.73815102
77:		0.99814	0.73681107
77(1	0.740603
769		1	0.742537
760		1	0.737207
75		1	0.736399
750		1	0.7350994
74!		0.99719	0.73122736
74		0.9931	0.729680126
73:		0.98838	0.73000135
730	0.7386439	0.9802 0.9828	0.72712088 0.72593922
	0.7418087		

Aircraft: N/A

Part Name: Coupon - SIERRACIN

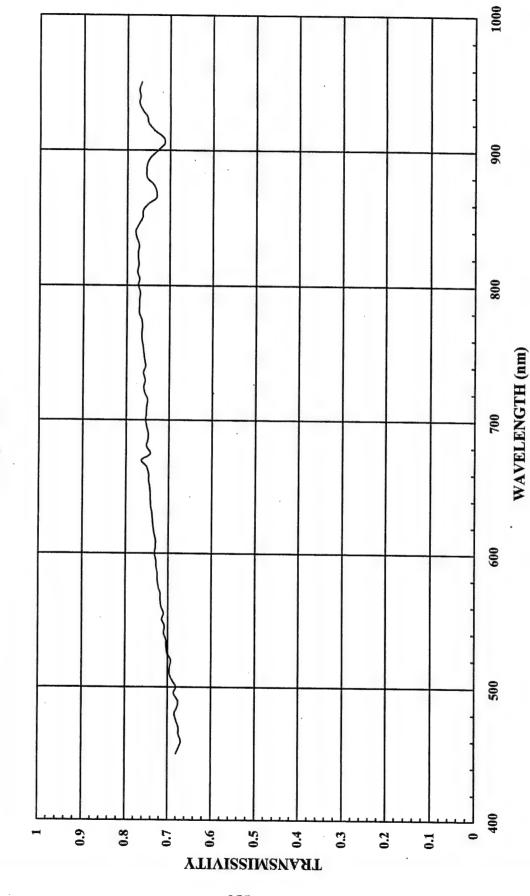
Manufactured: N/A

S/N# S-16 @ 45 Degrees

Material Type: Solar

Construction: N/A

COUPON (SIERRACIN, GOLD COAT, SOLAR, S/N# S-16) @ 45 DEGREES 760 = 76%



COUPON, SIERRACIN	, GOLD COAT, SOLAR,	S/N# S-16 @ 45 DEG	
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.6801541	0.0001	6.80154E-0
455	0.6739926	0.0001125	7.58242E-0
460	0.6689304	0.000123	8.22784E-0
465	0.6745656	0.0001375	9.27528E-0
470		0.00015	0.000101163
475	0.6795827	0.00016172	0.00010990
480	0.6837608	0.000175	0.00011965
. 485	0.6777317	0.00019375	0.00013131
490	0.675817	0.0002125	0.00014361
495	0.6858191	0.00022266	0.000152704
500	0.6807017	0.0002375	0.000161667
505	0.689046	0.00027656	0.000190563
510	0.696113	0.0003125	0.00017538
515	0.6957494	0.00034279	0.000238496
520	0.6927029	0.000375	0.000259764
525	0.7015656	0.00041875	0.000293781
530	0.7040315	0.0004625	0.000325615
535	0.7045454	0.00050703	0.000357226
540	0.7099903	0.00055	0.000390495
545	0.7084095	0.00058359	0.000413421
550	0.7144112	0.000625	0.000446507
555	0.7106383	0.0007	0.000497447
560	0.7164429	0.000775	0.000555243
565	0.7186742	0.00085	0.000610873
570	0.7186521	0.000925	0.000664753
575	0.7231122	0.0014525	0.00105032
580	0.7259036	0.00198	0.001437289
585	0.7258427	0.0047175	0.003424163
590	0.728739	0.0078	0.005684164
595	0.7292244	0.0114	0.008313158
600	0.7327753	0.015	0.01099163
605	0.7308168	0.026263	0.019193442
610	0.7302956	0.052	0.037975371
615	0.7342747	0.088388	0.064901072
620	0.7366666	0.175	0.128916655
625	0.7382234	0.43288	0.319562145
.630	0.739418	0.6138	0.453854768
635	0.742434	0.67756	0.503043581
. 640	0.7429819 0.743309	0.7448	0.553372919
645 650	0.743309	0.82458 0.8897	0.612917735 0.662735751
655		0.89654	
660	0.7476304 0.7474684	0.89654	0.670280559 0.675262953
665	0.7525562	0.9034	0.685209946
670	0.7647058	0.9172	0.70138816
675	0.7441217	0.92241	0.686385297
680	0.7529108	0.9276	0.698400058
685	0.7529100	0.93254	0.699405
690	0.7487587	0.93234	0.702260785
695	0.7526041	0.9448	0.711060354
700	0.7553191	0.9517	0.718837187
705	0.7534916	0.9586	0.722297048
710	0.7534157	0.9655	0.727422858
715	0.7512255	0.97304	0.730972461
720	0.7577197	0.9793	0.742034902

	1		COEFFICIENT)
			TRANSMISSION
	THYE(SUMPRIVE):	0.758875679	(SPECTRAL
	Tnvg(SUM/NVG):	36.95612312	(CDT) CTT
	SUM:	26 05642240	
950	0./6/4419	0	. 0
945		0	0
940 945		0	0
935		0	0
930		0.0069	
925		0.015525	0.011713473
920		0.0276	0.02073928
915		0.043125	0.031772171
910		0.0621	0.044512237
905		0.11009	0.078530863
900	0.7275641	0.175	0.127323718
895	0.7462235	0.25704	0.191809288
890		0.3448	0.260077744
885	0.7557047	0.42523	0.32134831
880	0.75467	0.5034	0.379900878
875		0.58016	0.429748183
870	0.7332577	0.6552	0.480430445
865	0.7330463	0.72848	0.534009569
860	0.7520493	0.8	
855	0.7637255	0.86334	
850	0.7643192	0.9103	
845	0.7735004	0.9172	
840	0.7803618	0.9241	
835		0.93402	
830		0.9448	
825	0.7746257	0.95515	0.739883737
820	0.774571	0.9655	
815		0.97283	
810	0.7759001	0.9793	
805		0.9862	0.760659808
800		0.9931	0.768874406
795		0.9938	
790		0.9945	
785		0.99543	
780		0.9966	
775		0.99814	0.7645752
770			
765		. 1	0.7651083
760		1	0.7624052
755			0.7608566
750		0.99719	
74:		0.9931	0.751104669
74(0.98838	
730 735		0.9828	

Aircraft: N/A

Part Name: Coupon - TEXSTARS

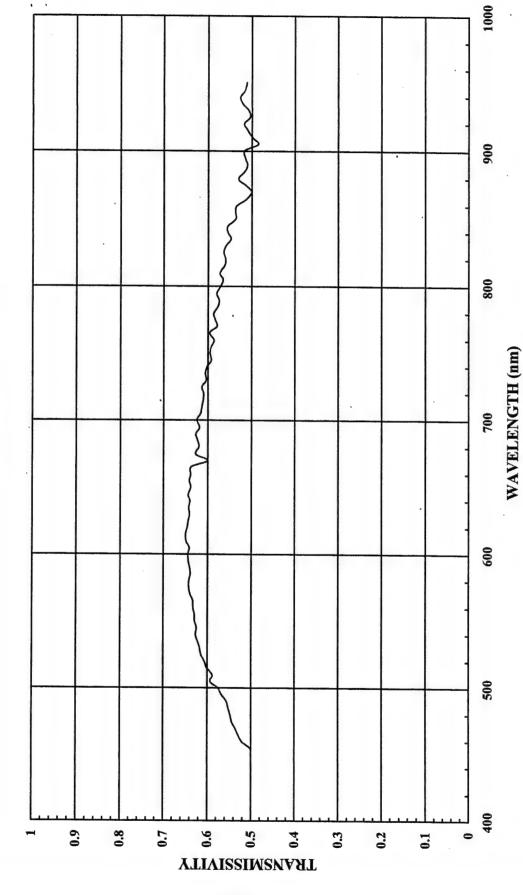
Manufactured: N/A

S/N# S-15 @ 45 Degrees

Material Type: Solar

Construction: N/A

COUPON (TEXSTARS, GOLD COAT, SOLAR, S/N# S-15) @ 45 DEGREES Tnvg = 59%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.5	0.0001	0.0000
455	0.5022421	0.0001125	5.65022E-05
460	0.5207469	0.000123	6.40519E-0
465	0.5299807	0.0001375	
470	0.5364486	0.00015	
475	0.5439856	0.00016172	8.79734E-0
480	0.5482233	0.000175	
485	0.5526316	0.00019375	
490	0.5560748	0.0002125	
495	0.5685426	0.00022266	
500	0.5757997	0.0002375	
505	0.5935755	0.00027656	
510	0.5883977	0.0003125	
515	0.6012987	0.00034279	1
520	0.6062425	0.000375	
525	0.6143345	0.00041875	
530	0.6175115	0.0004625	
5 35	0.6221198	0.00050703	
540	0.6265467	0.00055	0.00034460
545	0.6248683	. 0.00058359	0.000364667
550	0.6291793	0.000625	0.00039323
555	0.6293018	0.0007	
560	0,6323388	0.000775	0.000490063
565	0.6329935	0.00085	0.000538044
570	0.6391382	0.000925	
575	0.6421697	0.0014525	
580	0.6422414	0.00198	
585	0.6387703	0.0047175	
590 595	0.6403655	· 0.0078 0.0114	0.00499485 0.0073375
	0.6436421 0.6443148	0.0114	
600 605	0.6413119	0.026263	0.01684277
610	0.6486297	0.020203	
615	0.6496351	0.088388	0.05741994
620	0.6463047	0.175	
625	0.6441064	0.43288	
630	0.641102	0.6138	
635	0.6430636	0.67756	
640	0.6398602	0.7448	
645	0.6441257	0.82458	
650	0.6380824	0.8897	
655	0.6414343	0.89654	0.57507150
660	0.6386913	0.9034	
665	0.6371814	0.91051	0.58016003
670	0.6	0.9172	0.5503
675	0.6274809	0.92241	
680	0.6200565	0.9276	
685	0.6233767	0.93254	0.58132370
690	0.6274725	0.9379	
695	0.6191387	0.9448	
700	0.6247906	0.9517	
705	0.6166924	0.9586	
710	0.6139468	0.9655	
715	0.6105834	0.97304	
720	0.6101249	0.9793	0.59749531

			COEFFICIENT)
			TRANSMISSION
	THAS(SOMMA Q):		(SPECTRAL
	Tnvg(SUM/NVG):	28.70213798	(CDECOND AV
	SUM:	20 70242700	
930	0.5113636	0	0
940		0	0
940		0	0
935 940		0	0
930		0.0069	0.003497477
925		0.015525	0.00782913
920		0.0276	0.014285713
915		0.043125	0.021992034
910		0.0621	0.030931488
905		0.11009	0.053437851
900		0.175	0.090411563
895		0.25704	0.132300005
890		0.3448	0.175885514
885		0.42523	0.219473535
880		0.5034	0.267194551
875		0.58016	0.297575609
870		0.6552	0.328003996
865		0.72848	0.374500277
860		0.8	0.42863536
855		0.86334	0.464309605
850		0.9103	0.48915808
845		0.9172	0.509952469
840		0.9241	0.512810443
835		0.93402	0.512068713
830		0.9448	0.529748132
828		0.95515	0.539224011
820		0.9655	0.54124028
818		0.97283	0.547267949
810		0.9793	0.561402234
803		0.9862	0.558374803
800		0.9931	0.567153153
79:		0.9938	0.576758886
790		0.9945	0.572120037
789		0.99543	0.574570458
780		0.9966	0.585264412
77:		0.99814	0.58260793
77(1	0.5796487
76		1	0.596201
76		1	0.5859913
75		1	0.5924504
75		1	0.5954397
74:		0.99719	. 0.591051964
74		0.9931	0.597879866
73		0.98838	0.598861122
73		0.9828	0.593641863
72		0.9802	0.601977578

Aircraft: N/A

Part Name: Coupon - PILKINGTON

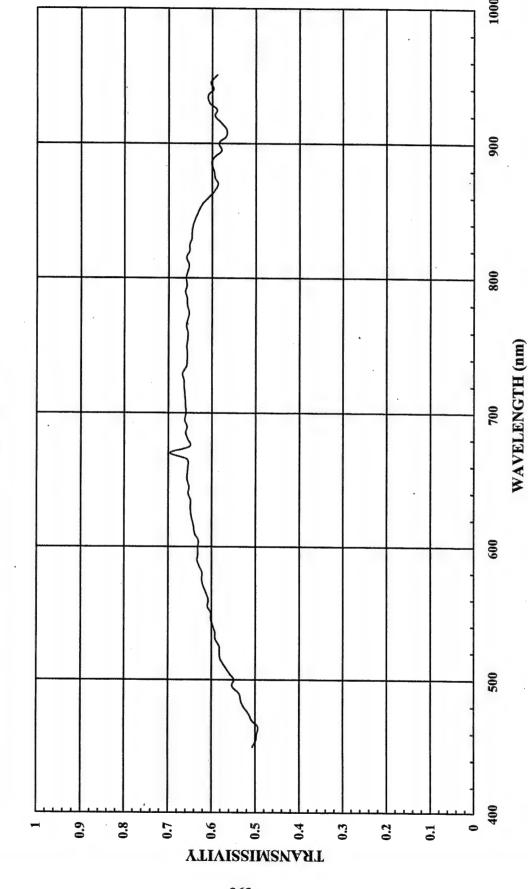
Manufactured: N/A

S/N# S-21 @ 60 Degrees

Material Type: Solar

Construction: N/A

COUPON (PILKINGTON, GOLD COAT, SOLAR, S/N# S- 21) @ 60 DEGREES Tnvg = 65%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
VAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.5070093	0.0001	5.07009E-0
455	0.4988914	0.0001125	5.61253E-0
460	0.4969574	0.000123	6.11258E-0
465	0.4942748		6.79628E-0
470	0.5083179	0.00015	7.62477E-0
475	0.5150977	0.00016172	8.33016E-0
480	0.5280136	0.000175	9.24024E-0
485	0.5336617	0.00019375	0.00010339
490	0.5373832	0.0002125	0.00011419
495	0.5534682	0.00022266	0.00012323
500	0.5492371	0.0002375	0.00013044
505	0.5595568	0.00027656	0.00015475
510	0.5694444	0.0003125	0.00017795
515	0.579843	0.00034279	0.00019876
520	0.5818182	0.000375	0.00021818
525	0.5826682	0.00041875	0.00024399
530	0.591954	0.0004625	0.00027377
535	0.5921659	0.00050703	0.00030024
540	0.5968289	0.00055	0.00032825
545	0.6014878	0.00058359	0.00032323
550	0.6016178	0.000625	0.00033102
555	0.6094675	0.0007	0.00042662
.560	0.6073501	0.000775	0.00042002
565	0.6130841	0.00085	0.00052112
570	0.6189189	0.000925	0.000572
575	0.6225919	0.0014525	0.00090431
580	0.6219723	0.00198	0.00123150
585	0.6285469	0.0047175	0.00123130
590	0.6336134	0.0078	0.00494218
595	0.6317461	0.0114	0.00720190
600	0.6318114	0.015	0.00720130
605	0.6307259	0.026263	0.016564754
610	0.6388692	0.052	0.03322119
615	0.6417583	0.088388	0.056723733
620	0.6451858	0.175	0.11290751
625	0.6482334	0.43288	0.280607274
630	0.6490964	0.43266	0.3984153
635	0.6491228	0.67756	0.43981964
640	0.654661	0.7448	0.487591513
645	0.6524726	0.82458	0.538015857
650	0.6569294	0.8897	0.584470087
655	0.656586	0.89654	0.588655612
660	0.6552218	0.89034	0.591927374
665	0.6575964	0.91051	0.598748098
670	0.6964286	0.9172	0.638764312
675	0.6515625	0.92241	0.601007766
680	0.6560694	0.9276	0.608569978
685	0.6604774	0.93254	0.615921598
690	0.6573661	0.9379	0.61654366
695	0.6627566	0.9448	0.626172436
700	0.6598985	0.9517	0.020172430
705	0.6609241	0.9586	0.633561842
710	0.6617969	0.9655	0.638964907
715	0.6632373	0.97304	0.645356422
713	0.6646746	0.97304	0.650915836

		111/5(00/12/1/VO).	0.043033741	TRANSMISSION
		ZHIGOCHZIVO):	0.049033741	
	1			
		Tnvg(SUM/NVG):		(SPECTRAL
		SUM:	31.64594203	
	303	0.0002000	U	0
	950	0.5882353	0	0
	945	0.6031746	0	0
	940	0.5964467	0	0
	935	0.6093366	0.0069	
	930	0.6059226	0.015525	0.009146251
	925	0.5937499 0.5891305	0.0276	0.016387497
	920	0.5779092	0.043125	0.024922334
	910 915	0.5671077	0.0621	0.035217388
		0.5688406	0.11009	0.062623662
	900	0.5842105	0.175	0.102236838
	900	0.5784314	0.25704	0.148680007
	895	0.5950156	0.3448	0.205161379
	890	0.601173	0.42523	0.255636795
	885	0.5956581	0.5034	0.299854288
	875 880	0.5932643	0.58016	
**************************************	870	0.5865505	0.6552	0.384307888
	865	0.5957697	0.72848	0.434006311
	860	0.6094276	0.8	0.48754208
	855	0.6228632	0.86334	0.537742715
	850	0.6306584	0.9103	0.574088342
y regression	845	0.6383187	0.9172	0.585465912
A CONTRACT AND A CONT	840	0.6436673	0.9241	0.594812952
	835	0.6463081	0.93402	0.603664692
	830		0.9448	0.611048172
	825	0.6519097	0.95515	0.62267155
	820		0.9655	0.629350748
	815		0.97283	0.641408319
	810		0.9793	0.639883532
	805		0.9862	0.647144144
	800		0.9931	0.655570733
	795		0.9938	0.653855008
The second secon	790		0.9945	0.658020373
	785		0.99543	0.654603428
	780		0.9966	0.654780352
	775		0.99814	0.651770448
	770		1	0.655576
	765		1	
	760		1	
	755		1	0.000E10
	750		1	
	745		0.99719	
	740	0.6572996	0.9931	
	735	0.6585043	0.98838	
	730		0.9828	
	725	0.6651376	0.9802	0.65196787

Aircraft: N/A

Part Name: Coupon - SIERRACIN

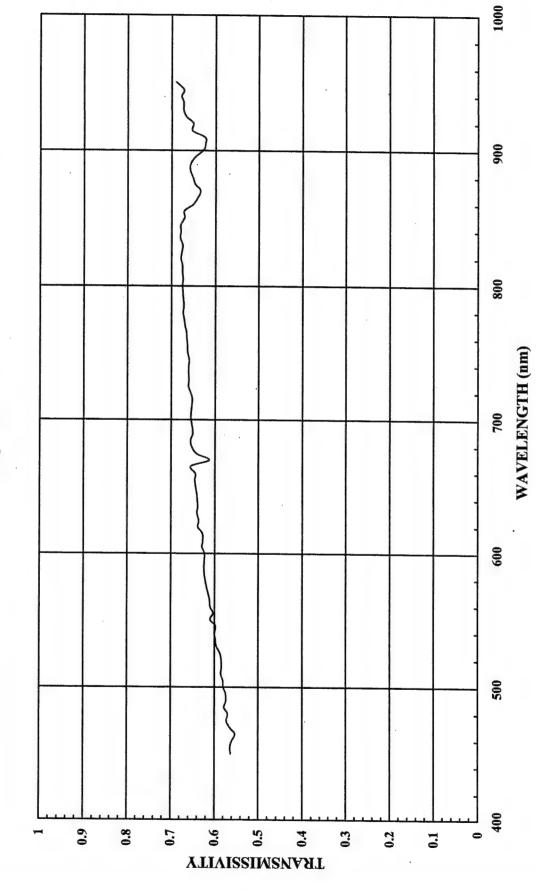
Manufactured: N/A

S/N# S-16 @ 60 Degrees

Material Type: Solar

Construction: N/A

COUPON (SIERRACIN, GOLD COAT, SOLAR, S/N# S-16) @ 60 DEGREES Tnvg = 66%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.5626204	0.0001	5.6262E-0
455	0.5641025		
460	0.5602717	0.000123	
465	0.5529226		
470 475	0.5643411	0.00015 0.00016172	
480	0.5722802 0.5698006	0.00016172	
. 485	0.5781466	0.000173	
490	0.5738562	0.00019373	
495	0.5745721	0.0002123	
500	0.5801169	0.00022200	
505	0.5806832	0.00027656	
510	0.5853946	0.0003125	
515	0.5838926	0.00034279	
520	0.5847893	0.000375	
525	0.5870842	0.00041875	
530	0.5958702	0.0004625	
535	0.5978261	0.00050703	
540	0.600388	0.00055	
545	0.5978062	0.00058359	0.00034887
550	0.6098418	0.000625	0.00038115
555	0.6034042	0.0007	0.00042238
560	0.6098993	0.000775	
565	0.6119644	0.00085	
570	0.6152038	0.000925	
575	0.6186118	0.0014525	
580	0.6219879	0.00198	
585	0.62397	0.0047175	
590	0.6246334	0.0078	
595	0.6236339	0.0114 0.015	
600 605	0.6233097 0.6293316	0.026263	0.00934964 0.01652813
610	0.627463	0.026263	
615	0.6283697	0.088388	
` 620	0.6386667	0.175	
625	0.6366084	0.43288	
630	0.640873	0.6138	0.39336784
635	0.6387637	0.67756	
640	0.6400499	0.7448	
645	0.6411192	0.82458	0.5286540
650	0.6440576	0.8897	0.57301804
655	0.6457346	0.89654	0.57892689
660	0.6443039	0.9034	
665	0.6543967	0.91051	0.59583473
670	0.6127451	0.9172	
675	0.6417704	0.92241	0.59197543
680	0.6532989	0.9276	
685	0.6552133	0.93254 0.9379	
690 695	0.6504469 0.6519097	0.9379	
700	0.6550152	0.9446	0.61392426
705	0.6550279	0.9586	
710	0.6532206	0.9655	
715	0.6519608	0.97304	
713	0.655582	0.9793	

	915 920 925 930 935 940 945 950		0.0276 0.015525 0.0069 0 0 0 32.10353915 0.659230271	0.017963568 0.010349999 0.004643396 0 0
	920 925 930 935 940 945	0.6508539 0.6666666 0.672956 0.6726058 0.6774942 0.6723716 0.6899225	0.0276 0.015525 0.0069 0 0 0 32.10353915 0.659230271	0.017963568 0.010349999 0.004643396 0 0 0 0
	920 925 930 935 940 945	0.6508539 0.6666666 0.672956 0.6726058 0.6774942 0.6723716 0.6899225	0.0276 0.015525 0.0069 0 0 0 32.10353915	0.017963568 0.010349999 0.004643396 0 0
	920 925 930 935 940 945	0.6508539 0.6666666 0.672956 0.6726058 0.6774942 0.6723716 0.6899225	0.0276 0.015525 0.0069 0 0	0.017963568 0.010349999 0.004643396 0
	920 925 930 935 940 945	0.6508539 0.6666666 0.672956 0.6726058 0.6774942 0.6723716	0.0276 0.015525 0.0069 0 0	0.017963568 0.010349999 0.004643396 0
	920 925 930 935 940 945	0.6508539 0.6666666 0.672956 0.6726058 0.6774942 0.6723716	0.0276 0.015525 0.0069 0 0	0.017963568 0.010349999 0.004643396 0
	920 925 930 935 940	0.6508539 0.6666666 0.672956 0.6726058 0.6774942	0.0276 0.015525 0.0069 0	0.017963568 0.010349999 0.004643396
	920 925 930 935	0.6508539 0.666666 0.672956 0.6726058	0.0276 0.015525 0.0069 0	0.017963568 0.010349999 0.004643396
	920 925 930	0.6508539 0.6666666 0.672956	0.0276 0.015525 0.0069	0.017963568 0.010349999
	920 925	0.6508539 0.6666666	0.0276 0.015525	0.017963568 0.010349999
	920	0.6508539	0.0276	0.017963568
	and the second control of the second control		0.043125	0.02814557
	910	0.6241259	0.0621	0.038758218
	905	0.6233333	0.11009	0.068622763
	900	0.6282051	0.175	0.109935893
	895	0.6480362	0.25704	0.166571225
	890	0.6571429	0.3448	0.226582872
	885	0.6577181	0.42523	0.279681468
	880	0.6513076	0.5034	0.327868246
	875		0.58016	0.374989897
	870	0.6345063	0.6552	0.415728528
	865	0.64155	0.72848	0.467356344
	860	0.6516393	0.8	0.52131144
	855	0.6715686	0.86334	0.57979203
	850		0.9103	0.610285602
	845	0.6794987	0.9172	0.623236208
	840	0.6787252	0.9241	0.627209957
	835	0.68	. 0.93402	0.6351336
	830	0.6746795	0.9448	0.637437192
	825		0.95515	0.646551446
	820		0.9655	0.65521456
	815		0.97283	0.6570344
•	810		0.9793	0.66126135
	805		0.9862	0.664410041
	800		0.9931	0.67055472
	795		0.9938	0.66993966
	790		0.9945	0.669226299
	785		0.99543	0.668709169
	780		0.9966	0.67097819
	775		0.99814	0.669360869
	770	7	1	0.6690727
	765		1	0.665548
	760		1	0.6647662
	755		1	0.663164
	750	1	1	0.6627008
	745		0.99719	0.65743400
	740		0.9931	0.65614444
	735		0.98838	0.65304727
	730	0.6597998	0.9828	0.64845124
	725		0.9802	0.64752962

Aircraft: N/A

Part Name: Coupon - TEXSTARS

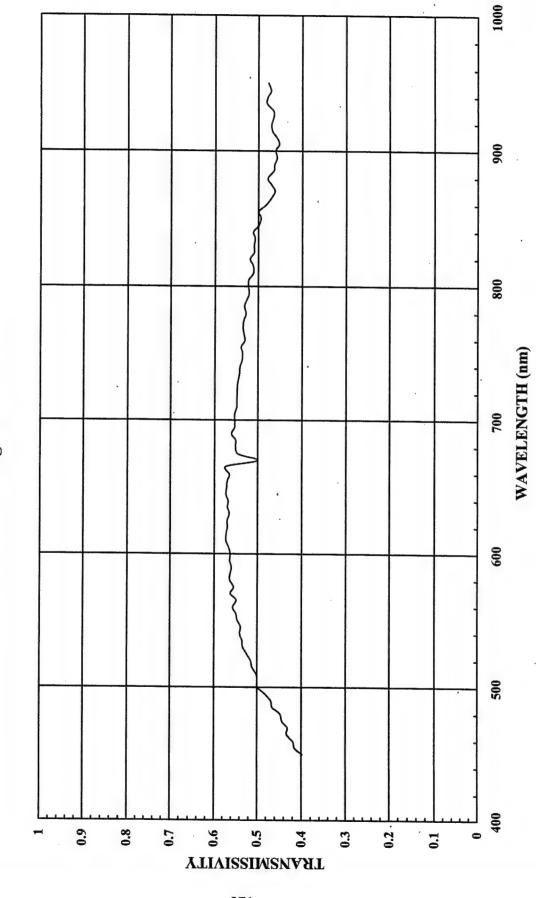
Manufactured: N/A

S/N# S-15 @ 60 Degrees

Material Type: Solar

Construction: N/A

COUPON (TEXSTARS, GOLD COAT, SOLAR, S/N# S-15) @ 60 DEGREES Trvg = 53%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.3981043	0.0001	3.98104E-05
455	0.4147982	0.0001125	4.66648E-05
460	0.4190871	0.000123	5.15477E-05
465	0.4332688		5.95745E-05
470	0.4317757	0.00015	6.47664E-08
475	0.443447	0.00016172	7.17142E-0
480	0.4483925	0.000175	7.84687E-0
485	0.4654605	0.00019375	9.0183E-0
490	0.4688474	0.0002125	9.96301E-0
495	0.4834055	0.00022266	0.00010763
500	0.4993047	0.0002375	0.00011858
505	0.5		0.00013828
510	0.5013812	0.0003125	0.000156682
515	0.5116883	0.00034279	0.00017540
520	0.515006	<u> </u>	0.00017040
525	0.523322	0.00041875	0.00021914
530	0.5334101	0.0004625	0.000246702
535	0.5345622	. 0.00050703	0.000271039
540	0.5399325	0.00055	0.000296963
545	0.5384615	0.00058359	0.00031424
550	0.5460993		0.000341312
555	0.5486726	0.0007	0.00038407
560		0.000775	0.000431136
565	0.5486562	0.00085	0.000466358
570	0.5619389	0.000925	0.000519793
575	0.5546806	0.0014525	0.000805674
580	0.5637931	0.00198	0.0011163
585	0.5627669	0.0047175	0.00265485
590	0.5598006	0.0078	0.00436644
595	0.5635793	0.0114	0.006424804
. 600	0.5626822	0.015	0.00844023
605	0.5666434	0.026263	0.01488175
610	0.5727337	0.052	0.029782152
615	0.5722628	0.088388	0.050581164
620	0.5693816	0.175	0.09964178
625	0.5703422	0.43288	0.246889732
630	0.5651526	0.6138	0.346890666
635	0.5693642	0.67756	0.38577840
640	0.5678322	0.7448	0.422921423
645	0.5730875	0.82458	0.472556491
650	0.5712357	0.8897	0.508228402
655	0.5697212	0.89654	0.510777845
660	0.5647226	0.9034	0.510170397
665	0.5734633	0.91051	0.522144069
670	0.5	0.9172	0.4586
675	0.5450382	0.92241	0.502748686
680	0.5508475	0.9276	0.51096614
685	0.5506493	0.93254	0.51350249
690	0.5604396	0.9379	0.52563630
695	0.5531101	0.9448	0.52257842
700	0.5536013	0.951/	0.52686235
705	0.553323	0.9586	0.530415428
710	0.5485262	0.9655	0.529602046
. 715	0.5481682	0.97304	0.53338958

	930 935 940 945 950	0.4655963 0.4804878 0.4785894 0.4710526 0.4772727 SUM: Tnvg(SUM/NVG):	0.0069 0 0 0 0 25.83596998 0.530528844	0.003212614 0 0 0 0 0
	930 935 940 945	0.4804878 0.4785894 0.4710526 0.4772727	0 0 0 0 0 25.83596998	0.003212614 0 0 0 0 0 0 (SPECTRAL
	930 935 940 945	0.4804878 0.4785894 0.4710526 0.4772727	0 0 0 0 0 25.83596998	0.003212614 0 0 0 0 0
	930 935 940 945	0.4804878 0.4785894 0.4710526 0.4772727	0 0 0 0	0.003212614 0 0 0 0 0
	930 935 940 945	0.4804878 0.4785894 0.4710526	0 0 0	0.003212614 0 0 0 0
	930 935 940 945	0.4804878 0.4785894 0.4710526	0 0 0	0.003212614 0 0 0 0
	930 935 940	0.4804878 0.4785894	0	0.003212614 0 0
	930 935	0.4804878	0	0.003212614 0
	930			0.003212614
	925	0.4656653	0.015525	0.007229454
- Any	920 925	0.4699793	0.0276	0.012971429
	915	0.4683794	0.043125	0.020198862
	910	0.4580153	0.0621	0.02844275
	905	0.4525548	0.11009	0.049821758
	900	0.4605955	0.175	0.080604213
	895	0.4575163	0.25704	0.11759999
	890	0.4634526	0.3448	0.159798456
	885	0.4648094	0.42523	0.197650901
The control	880	0.4787962	0.5034	0.241026007
	875	0.4702843	0.58016	0.272840139
	870	0.4623921	0.6552	0.302959304
	865	0.471831	0.72848	0.343719447
	860	0.4832215	0.8	0.3865772
	855		0.86334	0.431210358
	850		0.9103	0.450025466
	845	0.4995131	0.9172	0.458153415
	840	0.5117371	0.9241	0.472896254
	835	0.5076646	0.93402	0.47416889
	830	0.5100437	0.9448	0.481889288
	825	0.5094664	0.95515	0.486616832
	820	0.5187714	0.9655	0.0000.0.0
	815	0.5121747	0.97283	0.498258913
	810		0.9793	0.500688768
	805	0.5215311	0.9862	0.514333971
	800	0.5226563	0.9931	0.519049972
	795	0.5208333	0.9938	0.517604134
	790		0.9945	0.523383869
	785		0.99543	
	780		0.9966	
	775		0.99814	0.532053636
	770	0.5348274	1	0.5348274
	765		1	
	760		. 1	0.5303314
	755		1	0.5387076
,	750		1	0.5355049
	745		0.99719	
	740		0.9931	0.537957208
	735		0.98838	
	730		0.9828	
	725		0.9802	0.536503746

Aircraft: N/A

Part Name: Coupon - PILKINGTON

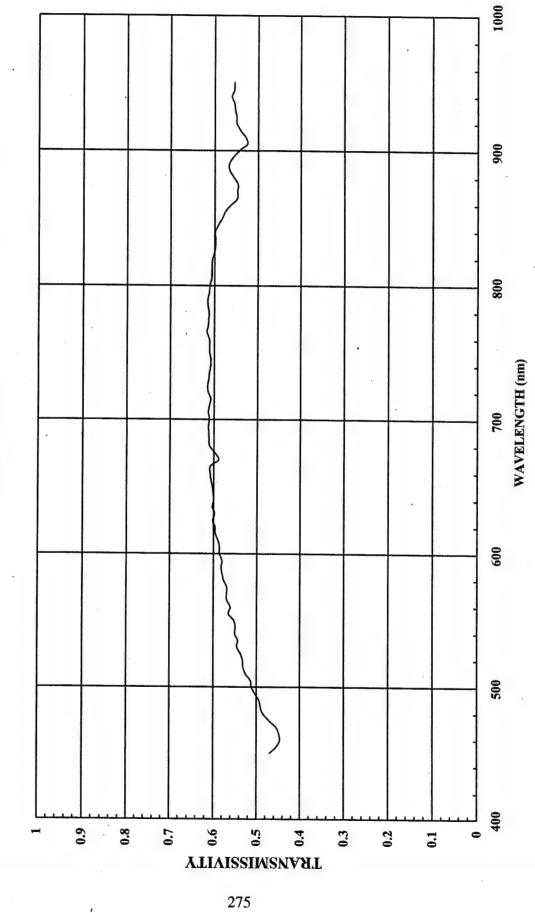
Manufactured: N/A

S/N# S-21 @ 65 Degrees

Material Type: Solar

Construction: N/A

COUPON (PILKINGTON, GOLD COAT, SOLAR, S/N# S-21) @ 65 DEGREES 700 = 80 %



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.4696262	0.0001	4.69626E-05
455	0.4545454	0.0001125	
460	0.4462475	0.000123	
465	0.4484733	0.0001375	
470	0.4547135	0.00015	
475	0.4706927	0.00016172	
480	0.4855688	0.000175	8.49745E-05
485	0.4909688	0.00019375	
490	0.4937695	0.0002125	0.000104926
495	0.5043352	0.00022266	0.000112295
500	0.5117891	0.0002375	0.00012155
505	0.5138504	0.00027656	
510	0.525	0.0003125	
515	0.5314136	0.00034279	
520	0.5321212	0.000375	
525	0.5370582	0.00041875	
530	0.545977	0.0004625	
535	0.5437788	0.00050703	
540	0.5503963	0.00055	
545	0.5494155	0.00058359	
550	0.5530839	0.000625	. 0.000345677
555	0.5650887	0.0007	
-560	0.5609284	0.000775	
565	0.5691589	0.00085	0.000483785
570	0.5693693	0.000925	0.000526667
575	0.5691769	0.0014525	0.000826729
580	0.5769896	0.00198	0.001142439
585	0.5803955	0.0047175	
590	0.5823529	0.0078	
595	0.5801588	0.0114	
600	0.5861561	0.015	
605	0.5863284	0.026263	
610	0.5893993	0.052	
615	0.596337	0.088388	
620	0.5966641	0.175	
625	0.6021505	0.43288	
630	0.5978916	0.6138	
635	0.6030702	0.67756	
640	0.6002825	0.7448	
645	0.6009615	0.82458	
650	0.6032609	0.8897	
655	0.6061828	0.89654	
660	0.6080114	0.9034	
665	0.6077098	0.91051	
670	0.5892857	0.9172	
675	0.596875	0.92241	
680	0.6098266	0.9276	
685	0.6114058	0.93254	
690	0.6116071	0.9379	
695	0.6129032	0.9448	
700	0.6108291 0.6131558	0.9517 0.9586	
705	0.6131558	0.9655	
710	0.6113952	0.9655	
715 720	0.6076818 0.6135458	0.97304	

			COEFFICIENT)
			TRANSMISSION
	5(00:121110).	0.001244788	(SPECTRAL
	Tnvg(SUM/NVG):		(CDECTD AT
	SUM:	29.27973185	
	0.0010219	U	0
950		0	0
945		0	0
940			
935		0.0069	0.003819363
930		0.015525	0.008538752
925		0.0276	0.01518
920		0.043125	0.023306212
915		0.0621	0.032869567
910		0.11009	0.057837136
. 905		0.175	0.094868428
900		0.25704	0.143639992
895		U.3440	0.195494083
890		0.42523	0.240672696
885		0.5034	0.279363089
880		0.58016	0.317134137
875		0.6552	0.359013761
870		0.72848	0.399765129
865		0.8	0.45072952
860		0.86334	0.497158397
855		0.9103	0.530071786
850			0.543326625
845		0.9241	0.553761196
840		0.93402	0.558538916
835		0.9448	0.56538561
830		0.9448	0.573753256
825	0.6006944	0.95515	0.583925131
820		0.9655	0.589469022
815		0.9793	
810		0.9662	0.598707523 0.593780144
805		0.9862	0.606461343
800		0.9931	
795		0.9938	0.608479293
790		0.9945	0.611781195
785		0.99543	0.612000119
780		0.9966	0.609888405
775		0.99814	0.6142945 0.612043578
770		1	0.6169154
765			0.6108654
760		1	0.6107513
755			0.610596
750			0.606068449
745		0.9931 0.99719	0.604436511
740		0.98838	0.60375558
73:		0.9828	0.602361265
730		0.9802	
72	0.6153342	0.0000	

Aircraft: N/A

Part Name: Coupon - SIERRACIN

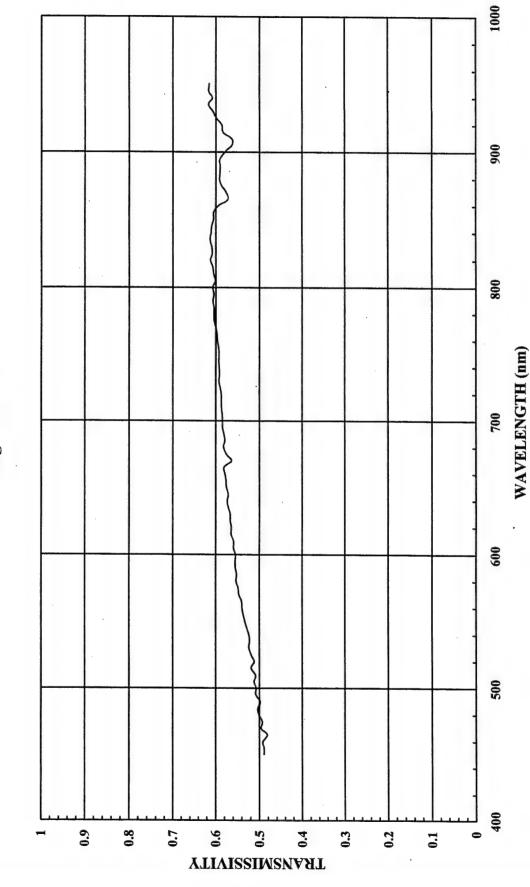
Manufactured: N/A

S/N# S-16 @ 65 Degrees

Material Type: Solar

Construction: N/A

COUPON (SIERRACIN, GOLD COAT, SOLAR, S/N# S-16) @ 65 DEGREES Thvg = 59%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WANTE ENGTH	READING	"NVIS A"	RESPONSE
WAVELENGTH(nm) 450	0.4894027	0.0001	4.89403E-0
455	0.489011		
460			
465			
470			
475			
480			
485			9.75449E-0
490		0.0002125	0.00010583
495	0.5085574	0.00022266	0.00011323
500	0.5076023	0.0002375	0.00012055
505	0.5123675	0.00027656	0.000141
510	0.5088339		
515	0.5190157	0.00034279	
520	0.5118191		
52 5	0.518591		
530			
535	0.5227273		
540	0.5237634		
545	0.5292504		
550	0.533392		
555	0.5370212		
560			
565	0.5408246		
570 575	0.547022 0.5484363		
580	0.5534639	The state of the s	
585	0.5520599		
590	0.5549853		
595	0.5554017		
600	0.5550547		
605	0.5594059		
610	0.5591133		0.02907389
615	0.5648267		
` 620	0.564		
625	0.5666218		
.630	0.5667989		
635	0.5711526		
640	0.5739239		
645	0.5711679		
650	0.5756302		
655			
660	0.578481		
665			
670 675			
675	0.5753804 0.5821475		
680 685			
690	0.5809335		1
695			
700			
705	0.5851955	The second secon	
710	0.5868575		
715			0.57118401
720			0.57513525

			COEFFICIENT)
404.00			TRANSMISSION
	Tnvg(SUM/NVG):	0.59163602	(SPECTRAL
		28.8117991	
	SUM:	88 844	
950	0.6149871	0	0
945		0	0
940		0	0
935		0	0
930		0.0069	0.004180504
925		0.015525	0.009296407
920		0.0276	0.016182923
915		0.043125	0.025149681
910		0.0621	0.034958388
• 905		0.11009	0.062017363
901	0.5756097	0.175	0.100731698
895		. 0.25704	0.151816666
890		0.3448	0.203432
885		0.42523	0.251142539
. 880		0.5034	0.297777108
875		0.58016	0.340332821
870		0.6552	0.377799786
. 865	0.5726588	0.72848	0.417170483
860		0.8	
855		0.86334	0.522236093
850		0.9103	0.550453676
845		0.9172	0.559188132
840		0.9241	0.56432985
835		0.93402	0.572865569
830		0.9448	0.575359013
825		0.95515	0.581068463
820	0.6123245	0.9655	0.591199305
815		0.97283	
. 810	0.6047024	0.9793	
805	0.600874	0.9862	
800	0.6068376	0.9931	
795	0.604336	0.9938	
790	0.6068652	0.9945	
785	0.6042945	0.99543	
780		0.9966	
775		0.99814	0.000222
770		1	
765		1	
760		1	
755		1	0.5925044 0.5936952
750		0.99719	
745		0.99719	
740		0.9931	
735		0.98838	
730		0.9828	
725	0.5896835	0.9802	0.57000770

Aircraft: N/A

Part Name: Coupon - TEXSTARS

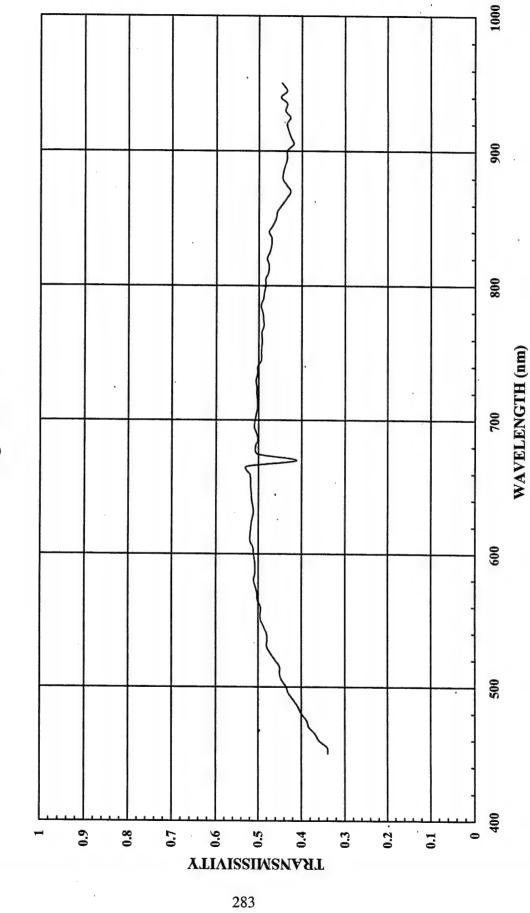
Manufactured: N/A

S/N# S-15 @ 65 Degrees

Material Type: Solar

Construction: N/A

COUPON (TEXSTARS, GOLD COAT, SOLAR, S/N# S-15) @ 65 DEGREES Tnvg = 49%



and the second s	GOLD COAT, SOLAR,	Sittin S 13 (a) US DEG	
	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.3388625	0.0001	3.38863E-0
455	0.3408072	0.0001125	
460	0.3589212	0.000123	
465	0.3694391	0.0001375	
470	0.3831776	0.00015	
475	0.3877917	0.00016172	
480	0.4010152	0.000175	
485	0.4078947	0.00019375	
490	0.4174455	0.0002125	8.87072E-0
495	0.4300144	0.00022266	
500	0.4353268	0.0002375	0.00010339
505	0.4455307	0.00027656	
510	0.4502762	0.0003125	0.00014071
515	0.4506493	0.00034279	0.000154478
520	0.4609844	0.000375	0.000172869
525	0.4709898	0.00041875	0.000197227
530	0.4804147	0.0004625	0.000222192
535	0.4792627	. 0.00050703	0.000243001
540	0.480315	0.00055	0.000264173
545	0.487882	0.00058359	0.000284723
550	0.4944276	0.000625	0.000309017
555	0.4955752	0.0007	0.000346903
560	0.4947065	0.000775	0.000383398
565	0.502317	0.00085	0.000426969
570 575	0.5026929	0.000925	0.000464991
580	0.5065617 0.5112069	0.0014525	0.000735781
585	0.5081127	0.00198 0.0047175	0.00101219 0.002397022
590	0.5074751	0.0047173	0.002397022
595	0.5086343	0.0114	0.005798431
600	0.5116618	0.015	0.007674927
605	0.51291	0.026263	0.013470555
610	0.5200281	0.052	0.027041461
615	0.519708	0.088388	0.045935951
620	0.5180995	0.175	0.090667413
625	0.5163499	0.43288	0.223517545
630	0.5122859	0.6138	0.314441085
635	0.5130058	0.67756	0.34759221
640	0.5160839	0.7448	0.384379289
645	0.5170765	0.82458	0.42637094
650	0.5185685	0.8897	0.461370394
655	0.5185923	0.89654	0.464938741
660	0.5206259	0.9034	0.470333438
665	0.5284857	0.91051	0.481191515
670	0.4117647	0.9172	0.377670583
675	0.5022901		0.463317411
680	0.5070621	0.9276	0.470350804
685	0.5012987	0.93254	0.46748109
690	0.5043956	0.9379	0.473072633
695	0.5100479	0.9448	0.481893256
700 705	0.5083752	0.9517	0.483820678
705 710	0.5054096	0.9586	0.484485643
710	0.5025162	0.9655	0.485179391
715	0.5027137 0.5042735	0.97304 0.9793	0.489160539 0.493835039

Ab.,			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.48812582	(SPECTRAL
	SUM:	23.77100545	
A THE RESIDENCE OF THE PROPERTY OF THE PROPERT	CTIM	CA 77.44	
950	0.4460227	0	0
945		0	
940		0	0
935		0	0
930		0.0069	0.003022706
925		0.015525	0.006629774
920		0.0276	0.012
915		0.043125	0.018579544
910	and to the second of the secon	0.0621	0.026428052
905		0.11009	0.046205654
900		0.175	0.076007015
895		0.25704	0.111719994
890		0.3448	0.15121866
. 885		0.42523	0.188298307
880		0.5034	0.223809878
875		0.58016	0.252601954
. 870	A CONTRACTOR OF THE CONTRACTOR	0.6552	0.279530466
865		0.72848	0.318068719
860		0.8	0.35794184
855		0.86334	0.394433282
850		0.9103	0.418346662
845		0.9172	0.42868167
840		0.9241	0.439923627
835		0.93402	0.438795684
830		0.9448	0.44475742
825		0.95515	0.452915319
820		0.9655	0.463802449
815		0.97283	0.463135665
810		0.9793	0.467572367
805		0.9862	0.477371096
800		0.9931	0.480257003
795		0.9938	0.484329623
790		0.9945	0.486655194
785		0.99543	0.492680812
780		0.9966	0.488778384
775	and the state of t	0.99814	0.488281005
. 770		1	0.488189
768		1	0.4932598
760		1	0.4921826
755		1	0.4932821
750		1	0.493811
745		0.99719	0.492879406
740		0.9931	0.498906527
735	0.5022951	0.98838	0.496458431
730	0.506502	0.9828	0.497790166
` 725	0.5038911	0.9802	0.493914056

Aircraft: N/A

Part Name: Coupon - PILKINGTON

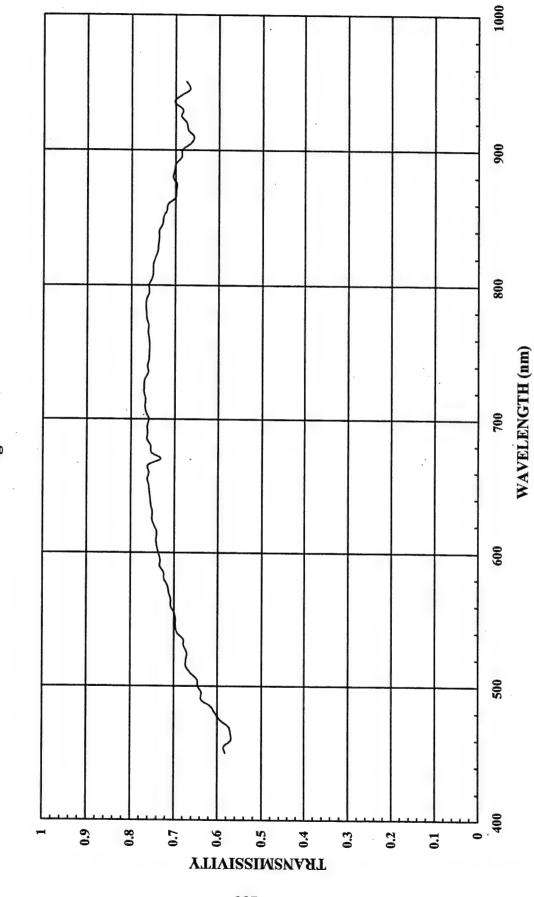
Manufactured: N/A

S/N# S-21 @ Normal

Material Type: Solar

Construction: N/A

COUPON (PILKINGTON, GOLD COAT, SOLAR, S/N# S-21) @ NORMAL Tnvg = 75%



	SPECTRA-	RELATIVE	NVG	
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL	
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE	
450	0.5817757	0.0001	5.81776E-0	
455	0.5853658	0.0001125		
460	0.5699797	0.000123		
465	0.5706107	0.0001375		
470	0.5748613	0.00015	8.62292E-0	
475	0.5932505	0.00016172	9.59405E-0	
480	0.6061121	0.000175		
485	0.6157635	0.00019375		
490	0.6370716	0.0002125		
495	0.6372832	0.00022266	0.00014189	
500	0.6449376	0.0002375	0.00015317	
505	0.6468144	0.00027656	0.00017888	
510	0.6638889	0.0003125		
515	0.6727749	0.00034279		
520	0.6727273	0.000375	0.00025227	
525	0.6704676	0.00041875	0.00028075	
530	0.6781609	0.0004625	0.00031364	
535	0.6785715	0.00050703	0.00034405	
540	0.6930917	0.00055	0.000381	
545	0.6971307	0.00058359	0.00040683	
550	0.6966633	0.000625	0.00043541	
555	0.7001972	0.0007	0.00049013	
. 560	0.7079304	.0.000775	0.00054864	
565	0.7084112	0.00085	0.0006021	
570	0.7126126	0.000925	0.00065916	
575	0.7154115	0.0014525	0.00103913	
. 580	0.7240484	0.00198	0.00143361	
585	0.7248495	0.0047175	0.00341947	
590	0.7336134	0.0078	0.00572218	
595	0.7325397	0.0114	0.00835095	
600	0.7371134	0.015	0.01105670	
605	0.7406624	0.026263	0.01945201	
610	0.7420495	0.052	0.03858657	
615	0.7406594	0.088388	0.06546540	
620	0.7467778	0.175	0.13068611	
625	0.7519201	0.43288	0.32549117	
630	0.750753	0.6138	0.46081219	
635	0.7543859	0.67756	0.5111417	
640	0.7556497	0.7448	0.56280789	
645	0.7575549	0.82458	0.62466461	
650	0.7595109	0.8897	0.67573684	
655	0.7627688	0.89654	0.6838527	
660	0.7589414	0.9034	0.68562766	
665	0.7611489	0.91051	0.69303368	
670	0.7321429	0.9172	0.67152146	
675	0.753125	0.92241	0.69469003	
680	0.7557804 0.7639257	0.9276 0.93254	0.70106189	
685 690	0.7639257	0.93254	0.71239127	
			0.71493941	
695	0.7634408	0.9448	0.72129886	
700	0.7597292	0.9517	0.7230342	
705	0.7658575	0.9586	0.73415	
710	0.7684441	0.9655	0.74193277	
715 720	0.7674897 0.7709163	0.97304 0.9793	0.74679817 0.75495833	

915 920 925 930 935 940 945 950	0.6706114 0.675 0.6869565 0.6833713 0.7027027 0.6878172 0.6666666 0.67507 UM: nvg(SUM/NVG):	0.043125 0.0276 0.015525 0.0069 0 0 0 36.54373313	0.028920117 0.01863 0.010665 0.004715262 0 0 0 (SPECTRAL TRANSMISSION
915 920 925 930 935 940 945 950	0.675 0.6869565 0.6833713 0.7027027 0.6878172 0.6666666 0.67507	0.043125 0.0276 0.015525 0.0069 0 0 0 36.54373313	0.01863 0.010665 0.004715262 0 0 0 0 (SPECTRAL
915 920 925 930 935 940 945 950	0.675 0.6869565 0.6833713 0.7027027 0.6878172 0.6666666 0.67507	0.043125 0.0276 0.015525 0.0069 0 0 0 36.54373313	0.01863 0.010665 0.004715262 0 0 0
915 920 925 930 935 940 945 950	0.675 0.6869565 0.6833713 0.7027027 0.6878172 0.6666666 0.67507	0.043125 0.0276 0.015525 0.0069 0 0	0.01863 0.010665 0.004715262 0
915 920 925 930 935 940 945	0.675 0.6869565 0.6833713 0.7027027 0.6878172 0.6666666	0.043125 0.0276 0.015525 0.0069 0 0	0.01863 0.010665 0.004715262 0
915 920 925 930 935 940 945	0.675 0.6869565 0.6833713 0.7027027 0.6878172 0.6666666	0.043125 0.0276 0.015525 0.0069 0 0	0.01863 0.010665 0.004715262 0
915 920 925 930 935 940	0.675 0.6869565 0.6833713 0.7027027 0.6878172	0.043125 0.0276 0.015525 0.0069 0	0.01863 0.010665 0.004715262 0
915 920 925 930 935	0.675 0.6869565 0.6833713 0.7027027	0.043125 0.0276 0.015525 0.0069	0.01863 0.010665 0.004715262 0
915 920 925 930	0.675 0.6869565 0.6833713	0.043125 0.0276 0.015525 0.0069	0.01863 0.010665 0.004715262
915 920 925	0.675 0.6869565	0.043125 0.0276 0.015525	0.01863 0.010665
915 920	0.675	0.043125 0.0276	0.01863
915		0.043125	
	0.6706444		
	U.05/845	0.0621	0.040852175
	U.0048001		0.073193898
			0.119736838
			0.176399997
			0.241145155
			0.29865859
			0.355180465
			0.404308399
			0.457742507
			0.510192789
			0.57373736
			0.621678529
			0.662121543
			0.669744301
	0./3/2401		0.681283576
	0.7374039		0.6888079
			0.698222128
			0.707242155
			0.72020198
			0.730446973
			0.735269898
			0.7432232
	0.7605965		0.755348384
			0.755020171
			0.761169515
			0.763478584
			0.763162196
		. 1	0.7603204
		1	0.7618159
		1	0.7593178
		1	0.7584197
		1	0.7589404
		0.99719	0.757755607
			0.757587626
		0.98838	0.752241489
		0.9828	0.755383484 0.756348433
	725 730 735 740 745 745 750 755 760 765 770 775 780 785 790 805 810 815 820 825 830 835 840 845 850 865 870 875 880 885 890 895 900 905	730	730 0.7695853 0.9828 735 0.7610853 0.9838 740 0.7628513 0.9931 745 0.7598909 0.99719 750 0.7589404 1 755 0.7584197 1 760 0.7593178 1 765 0.7618159 1 770 0.7603204 1 775 0.7657658 0.99814 780 0.7657658 0.99814 780 0.7657658 0.9981 790 0.7653791 0.99543 790 0.7653791 0.9938 800 0.7597305 0.9938 800 0.7605965 0.9931 805 0.7536232 0.9862 810 0.7508117 0.97283 820 0.7459368 0.9655 825 0.7404514 0.95515 830 0.7390158 0.9448 835 0.7374659 0.93402 840 0.7372401

Aircraft: N/A

Part Name: Coupon - SIERRACIN

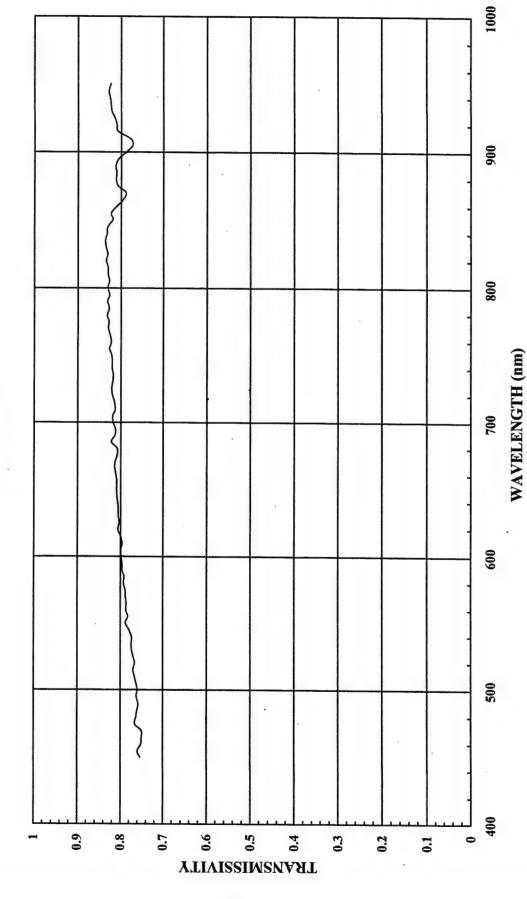
Manufactured: N/A

S/N# S-16 @ Normal

Material Type: Solar

Construction: N/A

COUPON (SIERRACIN, GOLD COAT, SOLAR, S/N# S-16) @ NORMAL Tnvg = 82%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.7533718	0.0001	
455	0.7600732		
460	0.7521222	<u> </u>	
465	0.750395		
470	0.7503876		
475	0.7660209		
480	0.7635328		
485	0.7607192	0.00019375	
490	0.7581699		
495	0.7628362		
500	0.7602339	0.0002375	
505	0.7632509	0.00027656	
510	0.7667844		
515	0.7706935		
520	0.7667009	0.000375	
525	0.7700587	0.00041875	
530	0.7738446	0.0004625	
535	0.7747035	0.00050703	
540	0.7740058	0.00055	
545	0.7806216	0.00058359	
550	0.7882249	0.000625	
555	0.7829787	0.0007	
560	0.7869127	0.000775	
565	. 0.7865804	0.00085	
570	0.7884013	0.000925	
575	0.788711	0.0014525	
580	0.7929217	0.00198	
585	0.7917603	0.0047175	
590	0.7961877	0.0078	0.00621026
595	0.7963989	0.0114	0.00907894
600	0.7984546	0.015	
605	0.7995049	0.026263	0.02099739
610	0.7961823	0.052	0.0414014
615	0.8003851	0.088388	
- 620	0.8066667	0.175	
625	0.8034993		
630	0.8055556	0.6138	
635	0.8055376	0.67756	
640	0.8072365	0.7448	
645	0.8090024	0.82458	
650	0.8097239	0.8897	
655	0.8092417	0.89654	
660	0.8107595	0.9034	
665	0.813906	0.91051	
670	0.8137255	0.9172	
675	0.8091286	0.92241	
680	0.8085382	0.9276	
685	0.8222749	0.93254	
690	0.8142999	0.9379	
695	0.8124999	0.9448	
700	0.8183891	0.9517	
705	0.8191341	0.9586	
710	0.8132726	0.9655	
715	0.814951	0.97304	
720	0.8194774	0.9793	0.80251421

	915 920 925 930 935 940 945 950	0.8102468 0.8143712 0.821803 0.8240534 0.825986 0.8288508	0.0276 0.015525 0.0069 0 0 0 39.91115554 0.819555806	0.022362812 0.012643113 0.005670441 0 0 0 (SPECTRAL TRANSMISSION
	920 925 930 935 940 945	0.8102468 0.8143712 0.821803 0.8240534 0.825986 0.8288508 0.8242894	0.0276 0.015525 0.0069 0 0 0 39.91115554	0.022362812 0.012643113 0.005670441 0 0 0
	920 925 930 935 940 945	0.8102468 0.8143712 0.821803 0.8240534 0.825986 0.8288508 0.8242894	0.0276 0.015525 0.0069 0 0	0.022362812 0.012643113 0.005670441 0 0
	920 925 930 935 940 945	0.8102468 0.8143712 0.821803 0.8240534 0.825986 0.8288508	0.0276 0.015525 0.0069 0 0	0.022362812 0.012643113 0.005670441 0 0
	920 925 930 935 940 945	0.8102468 0.8143712 0.821803 0.8240534 0.825986 0.8288508	0.0276 0.015525 0.0069 0 0	0.022362812 0.012643113 0.005670441 0 0
	920 925 930 935 940	0.8102468 0.8143712 0.821803 0.8240534 0.825986	0.0276 0.015525 0.0069 0	0.022362812 0.012643113 0.005670441 0
	920 925 930 935	0.8102468 0.8143712 0.821803 0.8240534	0.0276 0.015525 0.0069 0	0.022362812 0.012643113 0.005670441 0
	920 925 930	0.8102468 0.8143712 0.821803	0.0276 0.015525 0.0069	0.022362812 0.012643113 0.005670441
	920 925	0.8102468 0.8143712	0.0276 0.015525	0.022362812 0.012643113
1	920	0.8102468	0.0276	0.022362812
	015		0.043125	0.034834797
	910	0.777972 0.8077634	0.0621	0.048312061
	AND THE RESERVE OF THE PARTY OF	0.7733333	0.11009	0.085136263
	900	0.786859	0.175	0.137700325
	900	0.8066465	0.25704	0.207340416
	890 895	0.8128571	0.3448	0.280273128
	890	0.8107383	0.42523	. 0.344750247
	880 885	0.8119552	0.5034	0.408738248
	875	0.8064516	0.58016	0.46787096
	870		0.6552	0.516871817
	865		0.72848	0.580274751
	860		0.8	0.6491804
	855		0.86334	0.710985959
			0.9103	0.746189568
	845 850		0.9172	0.762827902
			0.9241	0.769685385
	840		. 0.93402	0.781463338
	835		0.9448	0.788847438
	830		0.95515	0.794076656
	820 825		0.9655	0.805838548
			0.97283	0.808197201
	810 815		0.9793	0.813085272
	805		0.9862	0.815967383
	800		0.9931	0.825461343
	795		0.9938	0.822106938
	790		0.9945	0.827032465
	785		0.99543	0.823825234
	780		0.9966	0.829435897
	775		0.99814	0.826725226
	770		1	0.8300944
	765		1	0.8260627
	760		1	0.8226909
	755		1	0.8272038
	750		1	0.8221297
	745		0.99719	0.818112825
- 2.	740		0.9931	0.81481988
	735		0.98838	0.808087331
	730		0.9828	0.805791823
	725		0.9802	0.805533653

Aircraft: N/A

Part Name: Coupon - TEXSTARS

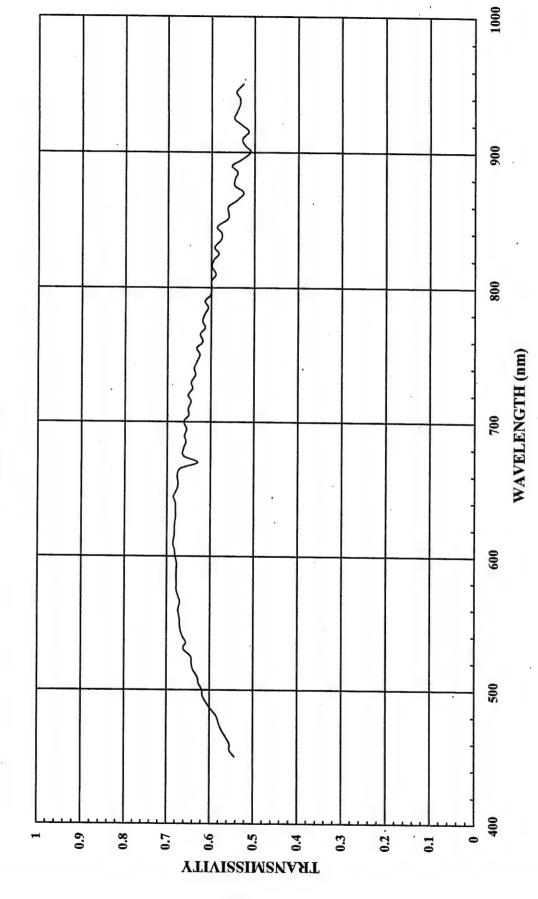
Manufactured: N/A

S/N# S-15 @ Normal

Material Type: Solar

Construction: N/A

COUPON (TEXSTARS, GOLD COAT, SOLAR, S/N# S-15) @ NORMAL Tnvg=62%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.542654	0.0001	5.42654E-0
455	0.5538117	0.0001125	
460	0.5539419	0.000123	
465	0.5628627	0.0001375	7.73936E-0
470	0.5719627	0.00015	8.57944E-0
475	0.5780969	0.00016172	9.34898E-0
480	0.5837564	0.000175	0.00010215
485		0.00019375	0.00011535
490	0.605919	0.0002125	0.00012875
495	0.6161616	0.00022266	0.00013719
500	0.6175243	0.0002375	0.00014666
. 505	0.6256984	0.00027656	0.00017304
510	0.628453	0.0003125	0.00019639
515	0.638961	0.00034279	0.00021902
520	0.6422569	0.000375	0.00024084
525	0.6439136	0.00041875	0.00026963
530	0.6612903	0.0004625	0.00030584
535	0.65553	0.00050703	0.00033237
540	0.6636671	0.00055	0.00036501
545	0.6691254	0.00058359	0.00039049
550	0.6697062	0.000625	0.00041856
555	0.6715831	0.0007	0.00047010
560	0.6737248	0.000775	0.00052213
565	. 0.6700649	0.00085	0.00056955
570	0.6741472	0.000925	0.00062358
575	0.6780403	0.0014525	0.00098485
580	0.6775862	0.00198 0.0047175	0.00134162 0.00319871
585 590	0.678053 0.6777409	0.0047175	0.00528637
595	0.6774691	0.0078	0.00528637
. 600	0.680758	0.014	0.00772314
605	0.6824843	0.026263	0.0102113
610	0.6858749	0.052	0.03566549
615	0.6832117	0.088388	0.06038771
620	0.6825038	0.175	0.11943816
625	0.6821293	0.43288	0.29528013
630	0.6798213	0.6138	0.41727431
635	0.6806358	0.67756	0.46117159
640	0.6804196	0.7448	0.50677651
645	0.6851093	0.82458	0.56492742
650	0.6772451	0.8897	0.60254496
655	0.6746348	0.89654	0.60483708
660	0.6763869	0.9034	0.61104792
665	0.6701649	0.91051	0.61019184
670	0.6294118	0.9172	0.57729650
675	0.6625955	0.92241	0.61118471
680	0.6624294	0.9276	0.61446951
685	0.6571429	0.93254	0.6128120
690	0.6604396	0.9379	0.61942630
695	0.6555024	0.9448	0.61931866
700	0.6616415	0.9517	0.62968421
705	0.6506956	0.9586	0.62375680
710	0.6520489	0.9655	
715	0.6458616 0.6522025	0.97304 0.9793	

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.62147631	(SPECTRAL
		30.26497706	
	SUM:	20.00407700	
950	0.5255682	0	. 0
945		0	
940 945		0	
935		. 0	
930		0.0069	
925		0.015525	0.00849544
920		0.0276	0.014628571
915		0.043125	0.022163844
910		0.0621	0.032827675
905		0.11009	0.05745574
900		0.175	0.089185635
895		0.25704	0.136079983
890		0.3448	0.190363908
. 885		0.42523	0.229449643
880		0.5034	0.274769664
875		0.58016	0.316314661
. 870		0.6552	0.344161752
865		0.72848	0.393310796
860		0.8	. 0.44832216
855		0.86334	0.483617513
850		0.9103	0.51151969
845		0.9172	0.537638242
840		0.9241	0.531899854
835		0.93402	0.539019673
830		0.9448	0.559453589
825		0.95515	0.556485863
820		0.9655	0.574192408
815		0.97283	0.582391003
810		0.9793	0.577171902
805		0.9862	
800		0.9931	
795		0.9938	0.597463119
790		0.9945	0.610967694
785		0.99543	
780		0.9966	
775		0.99814	
770		1	
765		1	
760		1	
755		1	
750		1	
745	0.6325017	0.99719	0.63072437
740		0.9931	0.634237356
735		0.98838	
730	0.6449935	0.9802 0.9828	

Aircraft: N/A

Part Name: Coupon (Pilkington) @ 34 deg design eye

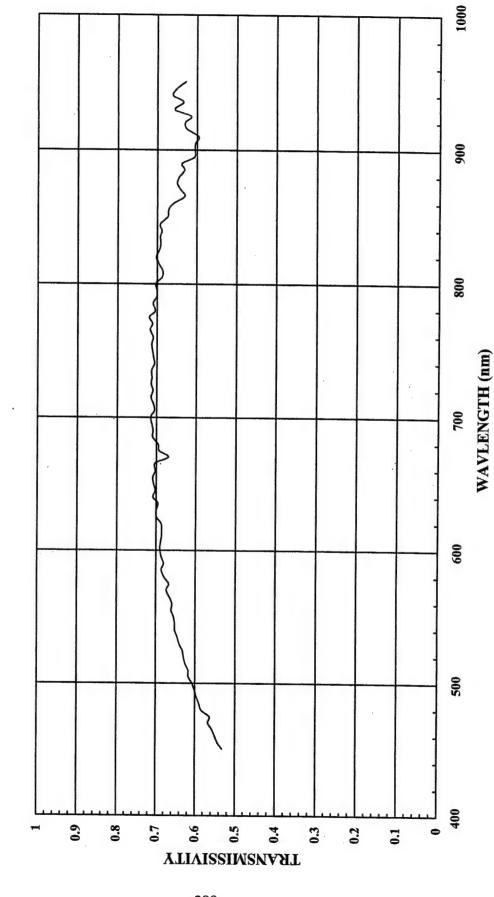
Manufactured: N/A

S/N# N/A

Material Type: N/A

Construction: N/A

COUPON (PILKINGTON, GOLD COAT, NO SERIAL NUMBER) @ 34 DEG DESIGN EYE Thoug = 70%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	Name and Address of the Party o	0.0001	5.32178E-0
455		0.0001125	6.1086E-0
460			6.7611E-0
465		0.0001375	7.66718E-0
470		0.00015	8.50203E-0
475	0.5634616	0.00016172	9.1123E-0
480	0.5834897	0.000175	0.00010211
485	0.5905797	0.00019375	0.00011442
490	0.5966102	0.0002125	0.0001267
495	0.6012862	0.00022266	. 0.00013388
500	0.6082802	0.0002375	0.00014446
505	0.6173633	0.00027656	0.00017073
510	0.6177847	0.0003125	0.00019305
515	0.6251809	0.00034279	0.00021430
520	0.6296296	0.000375	0.00023611
525	0.6324111	0.00041875	0.00026482
530	0.6405406	0.0004625	0.0002962
535	0.6462766	0.00050703	0.00032768
540	0.6521739	0.00055	0.00035869
545	0.6520147	0.00058359	0.00038050
550	0.6552539	0.000625	0.00040953
555	0.6612149	0.0007	0.0004628
560	0.6586758	0.000775	0.00051047
. 565 570	0.6647982 0.673224	. 0.00085 0.000925	0.00056507 0.00062273
. 575	0.6673913	0.0014525	0.00096938
580	0.678453	0.0014323	0.00134333
585	0.6866667	0.0047175	0.0032393
590	0.6809422	0.0078	
595	0.686214	0.0114	0.0078228
600	0.6902655	0.015	0.01035398
605	0.6894531	0.026263	0.01810710
610	0.686747	0.052	0.03571084
615	0.6860707	0.088388	0.06064041
620	0.6876333	0.175	0.12033582
625	0.6993603	0.43288	0.30273908
630	0.7006173	0.6138	0.43003889
635	0.6955665	0.67756	0.47128803
640	0.7087378	0.7448	0.52786791
645	0.7025986	0.82458	0.57934875
650	0.7076923	0.8897	0.62963383
655	0.7090559	0.89654	0.63569697
660 665	0.7028689 0.7036011	0.9034 0.91051	0.63497176 0.64063583
670	0.7036011	0.91051	0.64063583 0.61427158
675	0.6930693	0.9172	0.63929405
680	0.6958175	0.9276	0.64544031
685	0.7096774	0.93254	0.66180256
690	0.7090103	0.93234	0.6649807
695	0.7116402	0.9448	0.67235766
700	0.7154862	0.9517	0.68092821
705	0.7058823	0.9586	0.67665877
710	0.7080132	0.9655	0.68358674
715	0.7147506	0.97304	0.69548092
720	0.7097481	0.9793	0.69505631
725	0.7142857	0.9802	0.70014284
730	0.7127784	0.9828	0.70051861

				COEFFICIENT)
				TRANSMISSION
	I iivg(SUI	VI/IV V G):	0.696354858	(SPECTRAL
	Tnvg(SUI	M/NVC)	33.91145161	(CDE COD LI
2 mil mark	SUM:		22 04445404	
	330	0.0209309	0	,
	950	0.6529412	0	
	945	0.6611111 0.6529412	0	
	935 940	0.6349207	0	
	930	0.6565657	0.0069	0.00453030
The second section of the section of the second section of the section of the second section of the secti	925	0.6157407	0.015525	0.00955937
	920	0.6311111	0.0276	0.01741866
· · · · · · · · · · · · · · · · · · ·	915	0.6260504	0.043125	0.02699842
	910	0.5961539	0.0621	0.03702115
	905	0.6043165	0.11009	0.06652920
	900	0.6054422	0.175	0.10595238
	895	0.6070287	0.25704	0.15603065
	890	0.6382979	0.3448	0.22008511
- Marie Administration of the state of the s	885	0.6321839	0.42523	0.2688235
	880	0.6464089	0.5034	0.3254022
	875	0.6506667	0.58016	0.37749079
	870	0.6412213	0.6552	0.42012819
	865	0.6314496	0.72848	0.45999840
	860	0.6611375	0.8	0.5289
	855	0.6719818	0.86334	0.58014876
	850	0.6739131	0.9103	0.61346309
	845	0.6929461	0.9172	0.63557016
	840	0.6886228	0.9241	0.63635632
	835	0.6924565	0.93402	0.6467682
	830	0.6913124	0.9448	0.65315198
	825	0.6956521	0.95515	0.66445210
	820	0.702509	0.9655	0.6782724
	815	0.6964912	0.97283	0.67756753
	810	0.6863407	0.9793	0.67213344
	805	0.687813	0.9862	0.67832118
	800	0.7033333	0.9931	0.698480
	795	0.7009494	0.9938	0.69660351
	790	0.7016743	0.9945	0.69781509
	785	0.7101449	0.99543	0.70689953
	780	0.704607	0.9966	0.70221133
	775	0.7194805	0.99814	0.71814226
	770	0.7117795	1	0.71779
	765	. 0.7175	1	0.717
	760	0.709799	1	0.70979
	755	0.7133838	1	0.713383
	750	0.7119079	0.997 19	0.70677127
	745	0.7087629	0.99719	0.7013128 0.70677127
	740	0.7061855	0.9931	0.7042490

Aircraft: N/A

Part Name: Coupon (Sierracin) @ 34 deg design eye

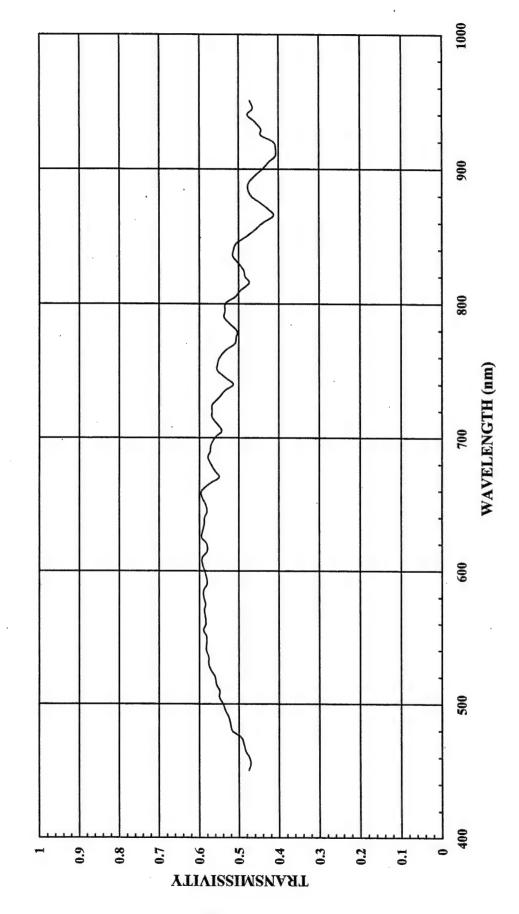
Manufactured: N/A

S/N# N/A

Material Type: N/A

Construction: N/A

COUPON (SIERRACIN, GOLD COAT, NO SERIAL NUMBER) @ 34 DEG DESIGN EYE Tnvg = 53%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
VAVELENGTH(nm)	READING	"NVIS A"	
VAVELENGIA(IIII) 450		0.0001	RESPONSE
455		0.0001	4.75248E-05
460	0.4703683	0.0001123	
465	0.4825462	0.000123	
470	0.4878543	0.0001575	
475	0.4942308	0.00013	
480	0.5159475	0.0001772	7.9927E-0 9.02908E-0
485	0.5217391	0.000173	0.00010108
490	0.5254238	0.00019373	0.00010108
. 495	0.533762	0.0002123	0.0001118847
500	0.5414013	0.00022230	0.00011884
505	0.5498393	0.0002373	0.00012036
510	0.5491419	0.0003125	0.00013200
515	0.5571635	0.0003123	
520	0.5608466	0.00034279	0.00019099 0.000210317
525	0.5704874	0.000375	0.00021031
530	0.577027	0.00041675	0.000238892
535	0.5771276	0.0004023	0.000292623
540	0.5831202	0.00055	0.00029202
545	0.5824175	0:00058359	0.000320710
550	0.5820544	0.000625	0.000339893
555	0.5899532	0.0007	0.00030378
560	0.5844749	0.000775	0.000412367
565	0.5852017	0.00085	0.000497421
570	0.5879782	0.000925	0.00054388
575	0.5847826	0.0014525	0.000849397
580	0.5889503	0.00198	0.001166122
585	0.59	0.0047175	0.002783325
590	0.5813705	0.0078	0.00453469
595	0.5823045	0.0114	0.006638271
600	0.5880039	0.015	. 0.008820059
605	0.5927734	0.026263	0.015568008
610	0.5933735	0.052	0.030855422
615	0.5810811	0.088388	0.051360596
620	0.5820895	0.175	0.101865663
625	0.5948827	0.43288	0.257512823
. 630	0.5925926	0.6138	0.363733338
635	0.5881773	0.67756	0.398525411
640	0.5873786	0.7448	0.437479581
645	0.5813282	0.82458	0.479351607
650	0.5855769	0.8897	0.520987768
655	0.593449	0.89654	0.532050766
660	0.5952868	0.9034	0.537782095
665 670	0.5747922	0.91051	0.523354046
675	0.5504587	0.9172	0.50488072
680	0.5603961 0.5703422	0.92241 0.9276	0.516914967
685	0.5789474	0.9276	0.529049425
690	0.5731167	0.93254	0.539891608
695	0.5714286		0.537526153
700	0.5606242	0.9448	0.539885741
705	0.5606242	0.9517	0.533546051
710	0.5532382	0.9586	0.521591227
710	0.5683298	0.9655 0.97304	0.534151482
715	0.5684556	0.97304	0.553007629
725	0.5680272	0.9793	0.556688569
730	0.5521688	0.9802	0.556780261 0.542671497

810	0.509182	0.9862	0.502155288 0.485521467
805 810	0.509182 0.4957842	0.9862	0.502155288
815	0.4736842	0.97283	0.4608142
820	0.483871	0.9655	0.467177451
825	0.4873189	0.95515	0.465462647
830	0.4990758	0.9448	0.471526816
835	0.5145068	0.93402	0.480559641
840 845	0.5129741	0.9241	0.474039366
850	0.5062241 0.4782609	0.9172	0.464308745
855	0.4578587	. 0.9103	0.435360897
860	0.4407583	0.86334	0.39528773
865	0.4127764	0.72848	0.35260664
870	0.4249364	0.72646	0.278418329
875	0.4453334	0.58016	0.258364625
880	0.4668508	0.5034	0.235012693
885	0.4770115	0.42523	0.2028396
890	0.4741642	0.3448	0.163491816
895	0.4600639	0.25704	0.118254825
900	0.4387755	0.175	0.076785713
905	0.4244604	0.11009	0.046728845
910	0.4076923	0.0621	0.025317692
915	0.407563	0.043125	0.017576154
. 920	0.4133333	0.0276	0.011407999
925	0.444445	0.015525	0.00690000
930	0.444444	0.0069	0.003066666
935	0.4603175	0	
940	0.4777777	0	
945	0.4647059	. 0	
950	0.4716981	0	. (
	SUM:	25.84268888	
	Tnvg(SUM/NVG):		(SDECTD A)
	THYELDUNIALACE	0.530666813	INPECTRAL.
			TRANSMISSION

Aircraft: N/A

Part Name: Coupon, (TEXSTARS) @ 34 deg DESIGN EYE

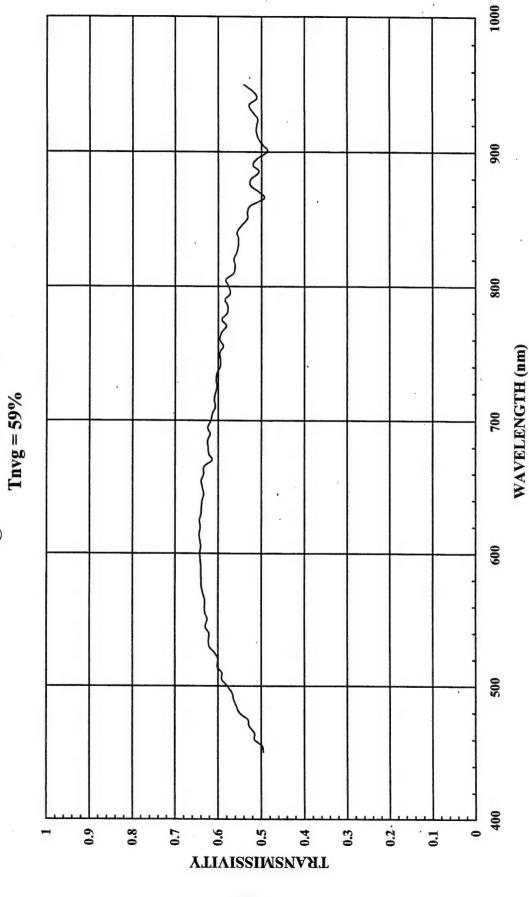
Manufactured: N/A

S/N# N/A

Material Type: N/A

Construction: N/A

COUPON (TEXSTARS, GOLD COAT, NO SERIAL NUMBER) @ 34 DEG DESIGN EYE



	SPECTRA-	RELATIVE	NVG
			SPECTRAL
VALUE ENGINE	RADIOMETRIC	SPECTRAL SENSITIVITY "NVIS A"	
WAVELENGTH(nm)	READING		RESPONSE
450 455		0.0001 0.0001125	4.9505E- 5.59955E-
460		0.0001123	6.34503E-
465		0.000123	
470		0.0001575	
475	0.5307692	0.00013	8.5836E-
480		0.000172	
485	0.557971	0.00019375	
· 490	0.5644068	0.0002125	
495	0.5675241	0.00022266	0.0001263
500	0.5796178	0.0002375	0.0001376
505	0.5916399	0.00027656	
. 510	0.5912636	0.0003125	
515	0.602026	0.00034279	
520	0.6005291	0.000375	
525	0.6073781	0.00041875	
530	0.6202703	0.0004625	
535	0.6223404	0.00050703	0.0003155
540	0.6214834	0.00055	0.0003418
545	0.6300366	0.00058359	0.0003676
550	0.6257379	0.000625	0.0003910
5 55	0.6308411	0.0007	0.0004415
560	0.6324201	0.000775	
565	0.6311659	0.00085	0.0005364
570	0.6360656	0.000925	0.0005883
575	0.6391304	0.0014525	0.0009283
580	0.639779	0.00198	0.0012667
585	0.64	0.0047175	0.00301
590		0.0078 0.0114	. 0.0049940
595	0.6419753 0.6430678	. 0.014	0.0073185 0.0096460
600 605	0.640625	0.026263	0.0168247
· 610	0.6425703	0.020203	0.0334136
615	0.6444907	0.088388	0.0569652
620	0.641791	0.175	0.1123134
625	0.6439232	0.43288	0.2787414
630	0.6399177	0.6138	0.3927814
635	0.6394088	0.67756	0.4332378
640	0.6378641	0.7448	0.4750811
645	0.6342637	0.82458	0.5230011
650	0.6375	0.8897	0.567183
655	0.6396917	0.89654	0.5735091
660	0.6342213	0.9034	0.5729555
665	0.632964	0.91051	0.5763200
670	0.6146789	0.9172	0.5637834
675	0.6217822	0.92241	0.5735381
680	0.6235741	0.9276	0.5784273
685	0.6247877	0.93254	0.5826395
690	0.6189069	0.9379	0.5804727
695	0.6243386	0.9448	0.5898751
700	0.6170468	0.9517	0.587243
705	0.6142534	0.9586	0.5888233
710	0.6070252	0.9655	0.5860828
715	0.6095445	0.97304	0.593111
720	0.6067908	0.9793	0.594230
, 725 730	0.6031746 0.6049238	0.9802 0.9828	0.5912317 0.5945191

			COEFFICIENT)
			TRANSMISSION
	Intg(SUM/ITTG);	0.587988295	(SPECTRAL
	Tnvg(SUM/NVG):	and the second s	(CDECTED AT
	SUM:	28.63416025	
	0.0400000	0	C
950	0.0	0	0
945	0.0	0	0
940		0	0
935	1.11111		0.003589394
930		0.015525	0.007906251
925	PROPERTY OF A STATE OF THE PROPERTY OF THE PRO	0.0276	0.014106666
920		0.043125 0.0276	0.022106091
918	5.55.5526	0.0621	0.031527692
910		0.11009	0.054648995
905		0.175	0.085119055
900		0.25704	0.131394247
895	3.0.0.00	0.3448	0.179212179
. 890		0.42523	0.215058839
888		0.5034	0.26421548
880		0.58016	0.304777425
873		0.6552	0.331767924
870	2	0.72848	0.35976531
865		0.8	0.4208531;
860			0.46018577
855	0.0020001	0.86334	0.4848337
850		0.91/2	0.502366858
84!		0.9172	0.514618537
840		0.93402	0.516691928
83		0.93402	0.523918710
830	0.5545287	0.9448	0.53294600
82		0.95515	0.54504039
820		0.9655	0.54615016
81		0.97283	0.00020017
810		0.9793	0.5745973
80	0.0,0000	0.9931 0.9862	0.5726876
800		0.9938	0.569233534
799		0.9945	0.581260288
79		0.99543	0.575618248
78	0.0,00	0.9966	0.577973984
78		0.99814	0.591106293
775		1	0.5814536
769 770		1	0.5925
		1	0.5967337
755 760	0.000000	1	. 0.5883839
750		1	0.5966709
74		0.99719	0.593687836
74		0.9931	0.5912528
	0.602706	0.98838	0.595702556

Aircraft: N/A

Part Name: Coupon - TEXSTARS

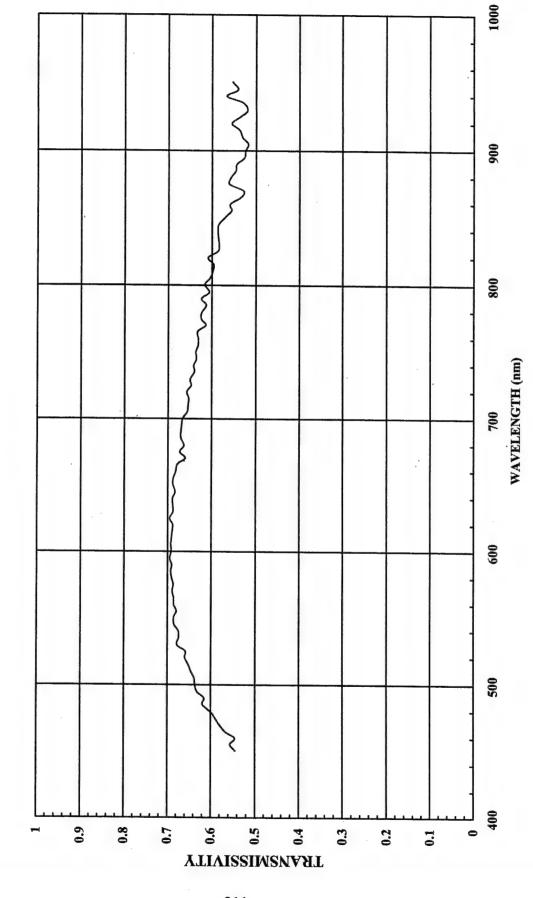
Manufactured: N/A

S/N# N/A

Material Type: N/A

Construction: N/A

COUPON (TEXSTARS, GOLD, NO SERIAL NUMBER) @ NORMAL Tnvg = 63%



	***	SPECTRA-	RELATIVE	NVG
		RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)		READING	"NVIS A"	RESPONSE
	450	0.5445545		5.44555E-0
	455	0.5565611	0.0001125	6.26131E-0
	460	0.5454546		
	465	0.5667351	0.0001375	7.79261E-0
	470	0.5809717	0.00015	
	475	0.5903847	0.00016172	
	480	0.6003752		
	485	0.6195652		
	490	0.6152542	1	·
	495	0.6318328	The second secon	Andrew Market Ma
	500	0.6369426		0.00015127
	505	0.6382637	0.00027656	
	510	0.6458658		0.00020183
	515	0.6512301	0.00034279	0.00022323
	520	0.6600529		
	525	0.6587615		
and the second	530 535	0.6783784 0.6742021	0.0004625 0.00050703	0.0003137 0.00034184
	540	0.6751918		
	545	0.6849817	0.00058359	
	550	0.6859505	0.0003633	
,	555	0.6799065		0.00047593
100 (00)	560	0.6860731	0.000775	the state of the s
11.5 4.7	565	0.6860986		
	570	0.6896175		
	575	0.6869565	0.0014525	
	580	0.6906077	0.00198	0.00136740
	585	0.6933334	0.0047175	0.0032708
And 1740 12 day 1	590	0.6905782	0.0078	0.0053865
	595	0.6954733	0.0114	0.00792839
	600	0.692232	0.015	0.0103834
	605	0.6933593	0.026263	0.01820969
	610	0.6917671	0.052	0.035971889
	615	0.6902287	0.088388	0.06100793
	620	0.6886994	0.175	0.12052239
	625	0.696162	0.43288	
and the state of t	630	0.6882716		0.42246110
	635	0.6886699 0.6893203		0.46661517 0.51340575
	640 645	0.6833494		0.563476248
10.00	650	0.6884615		0.61252419
	655	0.6878613		0.61669517
, page 4	660	0.6823771	0.9034	0.61645947
	665	0.6786703	0.91051	0.61793609
	670	0.6605505		0.60585691
	675	0.6732673	0.92241	0.6210284
	680	0.6634981	0.9276	
1 11 11 11 11 11 11 11 11 11 11 11 11 1	685	0.6706282	0.93254	0.62538762
	690	0.6706056	0.9379	
	695	0.6693122	0.9448	0.63236616
	700	0.6662665	0.9517	0.63408582
	705	0.6561086		0.62894570
	710	0.6542261	0.9655	0.631655
	715	0.6529285	0.97304	0.63532554
	720	0.6571741	0.9793	

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.627937136	(SPECTRAL
	SUM:	30.57960974	
	CVIDA		
950	0.5534591	. 0	0
945		0	0
940		0	0
935		0	0
930		0.0069	0.003589394
925		0.015525	0.008337499
920		0.0276	0.015333332
915		0.043125	0.023193276
910		0.0621	0.032960767
905		0.11009	0.057025035
900		0.175	0.091666663
895		0.25704	. 0.135500307
890		0.3448	0.187596336
885		0.42523	0.2321658
880		0.5034	0.280902788
875		0.58016	0.3248896
870		0.6552	0.346772528
868		0.72848	0.388403317
860		0.8	0.44739336
855		0.86334	0.479851883
850		0.9103	0.518475202
845		0.9172	0.536619142
840		. 0.9241	0.542286276
835		0.93402	0.54740437
830	0.5841035	0.9448	0.551860987
825	0.5869566	0.95515	0.560631596
820	0.609319	0.9655	0.588297495
815		0.97283	0.580284534
810		0.9793	0.586258826
809		0.9862	0.5960007
800		0.9931	0.6124116
. 795		0.9938	0.602255322
790		0.9945	0.620616432
78		0.99543	0.610241891
780		0.9966	0.621186959
775		0.99814	0.623513404
770		1	0.6140351
769		1	0.030633
760		1	0.6306533
75		1	0.6313131
750		0.99719	0.6363636
745		0.99719	0.637324507 0.633524081
740		0.98838 0.9931	0.632174174
730		0.9828	0.638301573
730		0.9802	0.634573932
72!	0.6473923	0.0900	0.004570000

Aircraft: N/A

Part Name: Coupon - SIERRACIN

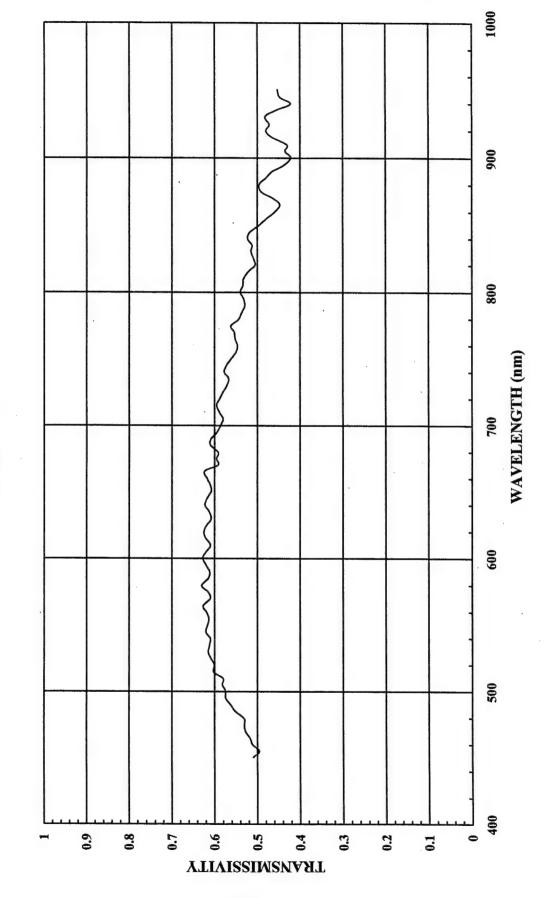
Manufactured: N/A

S/N# N/A

Material Type: N/A

Construction: N/A

COUPON (SIERRACIN, GOLD, NO SERIAL NUMBER) @ NORMAL Tnvg = 55%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A" 0.0001	RESPONSE
450 455		0.0001	5.09901E-09 5.57409E-09
455			
465		<u> </u>	
470		0.00015	
475	A		
480			
485			·
490			4
. 495			
500	<u> </u>	0.0002375	0.00013652
505			
510		The state of the s	<u> </u>
515			
520		0.000375	<u> </u>
525			
530		0.0004625	0.00028437
535		0.00050703	0.00031015
540		0.00055	0.00033548
545	0.6202686	0:00058359	0.00036198
550			
555		0.0007	
560			
565			
570		0.000925	
575			
580			
585			
590			
595			
600 605		0.026263	
610		0.020203	<u> </u>
615		0.088388	
620		0.175	
625	0.6183369	0.43288	
. 630	0.6080247	0.6138	
635		0.67756	
640		0.7448	
645		0.82458	
650		0.8897	0.54066383
655		0.89654	
660	0.6168033	0.9034	
665		0.91051	
670		0.9172	
675	0.5960396	0.92241	
680	0.5912548	0.9276	
685		0.93254	
690		0.9379	
695		0.9448	
700	0.5858343	0.9517	
705	0.5803168	0.9586	
710	0.5883644	0.9655	
715		0.97304 0.9793	
720 725	0.5881708		
725 730	0.5804989 0.5720985	1	

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.554730243	(SPECTRAL
		27.01454235	(CDD CODD) X
	SUM:	27.04454225	
950	0.4528302	0	0
950		0	0
. , 940		0	0
. , 940		0	0
935		0.0069	0.003327411
930	0	0.015525	0.00733125
925		0.0276	0.013248
920		0.043125	0.020112922
915		0.0621	0.026750767
910		0.11009	0.047916871
905		0.175	0.073809523
. 900	0.10,000.	0.25704	0.112506331
895		0.3448	0.160347723
. 890		0.42523	0.204061499
. 885	30330.0	0.5034	0.249619851
880		0.58016	0.284665193
875	1	0.6552	0.303425937
870		0.72848	0.325757607
865	0.1.00.1.00	0.8	0.36777248
860		0.86334	0.412987236
855		0.9103	0.451192198
850		0.9172	0.475726142
845		0.9241	0.483261884
840		0.93402	0.478752966
835	0.0.00010	0.9448	0.48660743
830	7:70000	0.95515	0.486226749
825		0.9655	0.487940914
820	7	0.97283	0.506895601
815		0.9793	0.521853007
810		0.9862	0.526851413
805		0.9931	0.536274
795 800		0.9938	0.528349397
		0.9945	0.526767158
785 790		0.99543	0.53378132
780		0.9966	0.542863368
775		0.99814	0.561291652
770		1	0.5538847
765		1	0.5525
		. 1	0.5464824
		1	0.550505
750		1	0.5608194
745		0.99719	0.571842195
740	3.37,10,00	0.9931	0.573336095
746	0.5670357	0.98838	0.560446745

COUPON

Aircraft: N/A

Part Name: Coupon - SIERRACIN

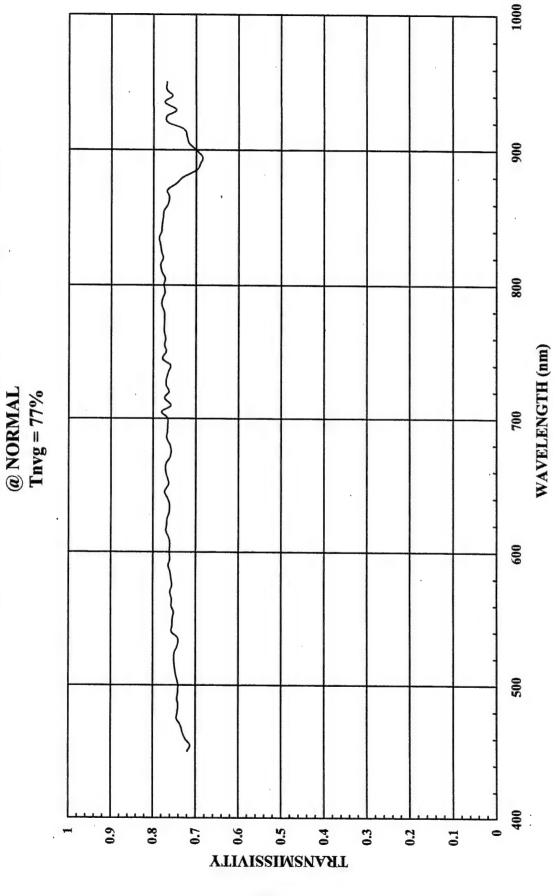
Manufactured: N/A

S/N# N/A

Material Type: Gold wire mesh

Construction: N/A

COUPON (SIERRACIN, GOLD WIRE MESH, NO SERIAL NUMBER)



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.7190476	0.0001	7.19048E-05
455	0.7123893	0.0001125	8.01438E-05
460	0.7234927	0.000123	8.89896E-05
465	0.7298387	0.0001375	0.000100353
470	0.7351779	0.00015	0.00011027
475	0.7442748	0.00016172	0.000120364
480	0.7425926		0.00012995
485	0.740942	0.00019375	0.000143558
490	0.7436762	0.0002125	0.00015803
495	0.741214	0.00022266	0.000165039
500	0.7410297	0.0002375	0.000175995
505	0.744444	0.00027656	0.000205884
510	0.7476489	0.0003125	0.00023364
515	0.75	0.00034279	0.000257093
520	0.7506703	0.000375	0.00028150
525	0.7493506	0.00041875	0.000313791
530	0.7427441	0.0004625	0.000343519
535 540	0.7416777 0.7564433	0.00050703	0.000376053
545	0.7549019	0.00055 0.00058359	0.000416044
550	0.7541177	0.00058359	0.000440553 0.000471324
555	0.7517483	0.00023	0.000471322
560	0.7571922	0.0007	0.000586824
565	0.7561797	0.00085	0.000642753
. 570	0.760221	0.000925	0.000703204
575	0.7557003	. 0.0014525	0.001097655
580	0.7576755	0.00198	0.001500197
585	0.76	0.0047175	0.0035853
590	0.7643866	0.0078	0.005962215
595	0.7607106	0.0114	0.008672101
600	0.7618577	. 0.015	0.011427866
605	0.7607004	0.026263	0.019978275
610	0.7624254	0.052	0.039646121
615	0.7698745	0.088388	0.068047667
620	0.7684098	0.175	0.134471715
625 630	0.767094 0.7622014	0.43288	0.332059651
635	0.7622014	0.6138	0.467839219
640	0.7663097	0.67756 0.7448	0.51610748 0.570747465
645	0.7732558	0.82458	0.637611268
650	0.7639155	0.8897	0.67965562
655	0.7665706	0.89654	0.687261206
660	0.7705761	0.9034	0.696138449
665	0.770195	0.91051	0.701270249
670	0.7614679	0.9172	0.698418358
675	0.75803	0.92241	0.699214452
680	0.7602459	. 0.9276	0.705204097
685	0.7682709	0.93254	0.716443345
690	0.7669753	0.9379	0.719346134
695	0.7659864	0.9448	0.723703951
700	0.7665036	0.9517	0.729481476
705	0.7800926	0.9586	0.747796766
710	0.7585825	0.9655	0.732411404
715	0.7735229	0.97304	0.752668723
720	0.7631579	. 0.9793	0.747360531
725	0.7697517	0.9802	0.754510616

			COEFFICIENT)
			TRANSMISSION
	THYG(SUMI/NVG):	0.768638848	(SPECTRAL
	Tnvg(SUM/NVG):	37.43157501	(CDECTED 1)
	SUM:	27 42457504	
93	0.7082927	0	(
95		0	
94		0	(
93	The same of the sa	0	
The state of the s		0.0069	0.005149756
93		0.015525	0.01194781
92		0.0276	0.02114805
9.		0.043125	0.031427128
9		0.0621	0.044797332
· 9(0.11009	0.078917565
		0.175	0.122796608
		0.25704	0.176164497
89		0.3448	0.23800351
		0.42523	0.297177769
88	000.00	0.3034	0.367974476
. 88		0.58016	0.433593309
8	7.180	0.6552	0.50322066
86		0.72848	0.555897479
86		0.8	0.61308416
8!		0.86334	0.669528976
		0.9103	0.70735435
89	011100001	0.9172	0.715072692
84		0.9241	0.721607974
84		0.93402	0.73464269
86		0.9448	0.740093302
8:		0.95515	0.746156972
83		0.9655	0.750370862
83		0.97283	- 0.761792723
8		0.9793	0.7638871
8		0.9862	0.762137924
80		0.9931	0.770226015
79		0.9938	0.768434384
		0.9945	0.774161663
7		0.99543	0.776920971
70		0.9966	0.771995062
7		0.99814	0.77233977
7		1	0.7745592
70		1	0.7748428
70		1	0.7713568
7.		1	0.7739464
	0.7696267	1	0.7696267
7-		0.99719	0.776170116
7.		0.9931	0.75444804
	0.7643468	0.98838	0:75546509

Aircraft: F-111

Part Name: Sample

Manufactured: N/A

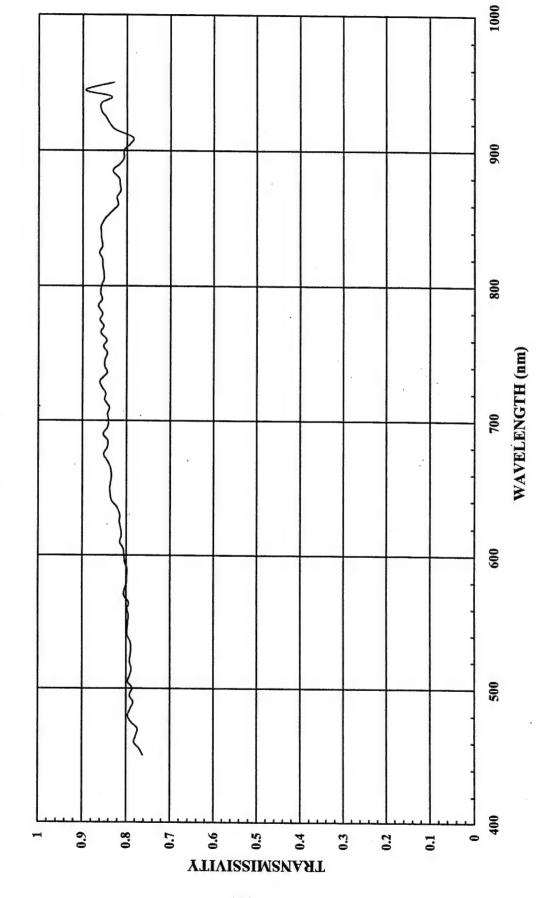
S/N# N/A

Material Type: N/A

Construction: N/A

Coating: Non-coated

SAMPLE (F-111, NON-COATED, NO SERIAL NUMBER) @ NORMAL Tnvg = 85%



		SPECTRA-	RELATIVE	NVG
		RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)		READING	"NVIS A"	RESPONSE
<u> </u>	450		0.0001	7.61905E-05
	455			8.6615E-05
	460			9.61497E-05
	465			
	470	0.7747036		0.000116206
	475 480	0.788168 0.7962963	0.00016172 0.000175	0.000127463
	485	0.7898551		0.000139352 0.000153034
	490	0.7841484		0.000166632
	495	0.7923322	0.00022266	0.000176421
	500	0.7862715		0.000186739
	505	0.7968253	0.00027656	0.00022037
	510	0.791536		0.000247355
	515	0.7882353	0.00034279	0.000270199
	520	0.7922252	0.000375	0.000297084
	525	0.7909091	0.00041875	0.000331193
	530 535	0.7889183 0.7909454	0.0004625 0.00050703	0.000364875 0.000401033
	540	0.7976804	0.00050703	0.000401033
	545	0.7977941	0.00058359	0.000436724
	550	0.7964706	0.000625	0.000497794
	555	0.7948719	0.0007	0.00055641
	560	0.7986192	0.000775	0.00061893
	565	0.794382	0.00085	0.000675225
	570	0.8055249	0.000925	0.000745111
	575 580	0.8034745 0.7993421	0:0014525 0:00198	0.001167047
and the state of t	585	0.7988889	0.00198	0.001582697 0.003768758
	590	0.7980456	0.0077	0.006224756
	595	0.8035528	0.0114	0.009160502
	600	0.805336	0.015	0.01208004
	605	0.807393	0.026263	0.021204562
	610	0.8151093	0.052	0.042385684
	615	0.8115345	0.088388	0.071729911
	620 625	0.8132337 0.8162394	0.175 0.43288	0.142315898 0.353333711
	630	0.815161	0.6138	0.500345822
	635	0.8215354	0.67756	0.556639526
	640	0.8334956	0.7448	0.620787523
	645	0.8372093	0.82458	0.690346045
	650	0.8378119	0.8897	0.745401247
	655	0.8357348	0.89654	0.749269678
	660	0.8343621	0.9034	0.753762721
	665 670	0.8370473 0.8440367	0.91051 0.9172	0.762139937
	675	0.8522484	0.9172	0.774150461 0.786122447
	680	0.8442623	0.9276	0.783137709
	685	0.8431373	0.93254	0.786259258
	690	0.853395	0.9379	0.800399171
	695	0.8435374	0.9448	0.796974136
	700	0.8410758	0.9517	0.800451839
	705	0.84375	0.9586	0.80881875
	710	0.8394241	0.9655	0.810463969
	715 720	0.8501094 0.8475877	0.97304 0.9793	0.827190451 0.830042635
	725	0.8473877	0.9802	0.830042635
	730	0.8608187	0.9828	0.846012618
	735	0.8449329	0.98838	0.83511478
	740	0.8501292	0.9931	0.844263309
	745	0.8500652	0.99719	0.847676517

885 0.8323863 0.42523 0.35391 890 0.8171091 0.3448 0.28177 895 0.8068537 0.25704 0.20733 900 0.8067797 0.175 0.14118 905 0.7921147 0.11009 0.08720 910 0.7862596 0.0621 0.04882 915 0.825911 0.043125 0.03567 920 0.8398268 0.0276 0.0237 925 0.8479262 0.015525 0.01316 930 0.8585366 0.0069 0.00592 935 0.8578948 0 940 0.8351064 0 940 0.8351064 0 945 0.8934911 0 950 0.8292683 0 SUM: 41.16781774 Trvg(SUM/NVG): 0.845360742 (SPECTRAL	930 935 940 945
885 0.8323863 0.42523 0.35398 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.20738 900 0.8067797 0.175 0.14116 905 0.7921147 0.11009 0.08726 910 0.7862596 0.0621 0.04883 915 0.825911 0.043125 0.03566 920 0.8398268 0.0276 0.0236 925 0.8479262 0.015525 0.01316 930 0.8585366 0.0069 0.00592 935 0.8578948 0 940 0.8351064 0 945 0.8934911 0 950 0.8292683 0	930 935 940 945
885 0.8323863 0.42523 0.35398 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.2073 900 0.8067797 0.175 0.14116 905 0.7921147 0.11009 0.08720 910 0.7862596 0.0621 0.04862 915 0.825911 0.043125 0.03560 920 0.8398268 0.0276 0.0237 925 0.8479262 0.015525 0.01316 930 0.8585366 0.0069 0.00592 935 0.8578948 0 0 940 0.8351064 0 0 945 0.8934911 0 0 950 0.8292683 0 0	930 935 940 945
885 0.8323863 0.42523 0.35399 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.20739 900 0.8067797 0.175 0.14116 905 0.7921147 0.11009 0.08720 910 0.7862596 0.0621 0.04882 915 0.825911 0.043125 0.03562 920 0.8398268 0.0276 0.02372 925 0.8479262 0.015525 0.01316 930 0.8585366 0.0069 0.00592 935 0.8578948 0 940 0.8351064 0 945 0.8934911 0	930 935 940 945
885 0.8323863 0.42523 0.35399 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.20739 900 0.8067797 0.175 0.14116 905 0.7921147 0.11009 0.08720 910 0.7862596 0.0621 0.04882 915 0.825911 0.043125 0.03562 920 0.8398268 0.0276 0.02372 925 0.8479262 0.015525 0.01316 930 0.8585366 0.0069 0.00592 935 0.8578948 0 940 0.8351064 0 945 0.8934911 0	930 935 940 945
885 0.8323863 0.42523 0.35398 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.20733 900 0.8067797 0.175 0.14116 905 0.7921147 0.11009 0.08720 910 0.7862596 0.0621 0.04883 915 0.825911 0.043125 0.03560 920 0.8398268 0.0276 0.0237 925 0.8479262 0.015525 0.01316 930 0.8585366 0.0069 0.00592 935 0.8578948 0 940 0.8351064 0	930 938 940
885 0.8323863 0.42523 0.35399 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.20733 900 0.8067797 0.175 0.14116 905 0.7921147 0.11009 0.08720 910 0.7862596 0.0621 0.04882 915 0.825911 0.043125 0.03560 920 0.8398268 0.0276 0.0237 925 0.8479262 0.015525 0.01316 930 0.8585366 0.0069 0.00592 935 0.8578948 0	930 935
885 0.8323863 0.42523 0.35399 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.20733 900 0.8067797 0.175 0.14116 905 0.7921147 0.11009 0.08720 910 0.7862596 0.0621 0.04883 915 0.825911 0.043125 0.03567 920 0.8398268 0.0276 0.0237 925 0.8479262 0.015525 0.01316 930 0.8585366 0.0069 0.00592	930
885 0.8323863 0.42523 0.35399 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.20733 900 0.8067797 0.175 0.14116 905 0.7921147 0.11009 0.08726 910 0.7862596 0.0621 0.04883 915 0.825911 0.043125 0.03567 920 0.8398268 0.0276 0.0237 925 0.8479262 0.015525 0.01316	
885 0.8323863 0.42523 0.35398 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.20738 900 0.8067797 0.175 0.14118 905 0.7921147 0.11009 0.08720 910 0.7862596 0.0621 0.04882 915 0.825911 0.043125 0.03562 920 0.8398268 0.0276 0.0237	
885 0.8323863 0.42523 0.35399 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.20733 900 0.8067797 0.175 0.14116 905 0.7921147 0.11009 0.08720 910 0.7862596 0.0621 0.04883 915 0.825911 0.043125 0.03567	
885 0.8323863 0.42523 0.35399 890 0.8171091 0.3448 0.28173 895 0.8068537 0.25704 0.20733 900 0.8067797 0.175 0.14116 905 0.7921147 0.11009 0.08720 910 0.7862596 0.0621 0.04883	
885 0.8323863 0.42523 0.3539 890 0.8171091 0.3448 0.2817 895 0.8068537 0.25704 0.2073 900 0.8067797 0.175 0.1411 905 0.7921147 0.11009 0.08720	
885 0.8323863 0.42523 0.3539 890 0.8171091 0.3448 0.2817 895 0.8068537 0.25704 0.2073 900 0.8067797 0.175 0.1411	
885 0.8323863 0.42523 0.3539 890 0.8171091 0.3448 0.2817 895 0.8068537 0.25704 0.2073	
885 0.8323863 0.42523 0.3539 890 0.8171091 0.3448 0.28173	
885 0.8323863 0.42523 0.35399	
880 0.8179348 0.5034 0.4117	
875 0.8157895 0.58016 0.4732	
870 0.814433 0.6552 0.5336	
865 0.8229427 0.72848 0.5994	
860 0.8200935 0.8 0.65	
855 0.8344671 0.86334 0.7204	
850 0.8484849 0.9103 0.7723	
845 0.8586278 0.9172 0.7875	
840 0.8585657 0.9241 0.7934	
835 0.8576923 0.93402 0.8011	
830 0.8555555 0.9448 0.8083	
825 0.8625678 0.95515 0.8238	
900 0.052	
0.5755 0.6551	
0.0002 0.0400	The state of the s
905 0.5501 0.5521	
900 0.00000 0.0040	
700 0.0000 0.0000	
700 0.00070 0.0011	
0.0000 0.0020	
790 0.055000 0.055	
775 0.004	
770 0.000	
765 0.000	
700 0.0	
750 0.8442729 1 0.84 755 0.853129 1 0.86	

Aircraft: N/A

Part Name: Sample

Manufactured: N/A

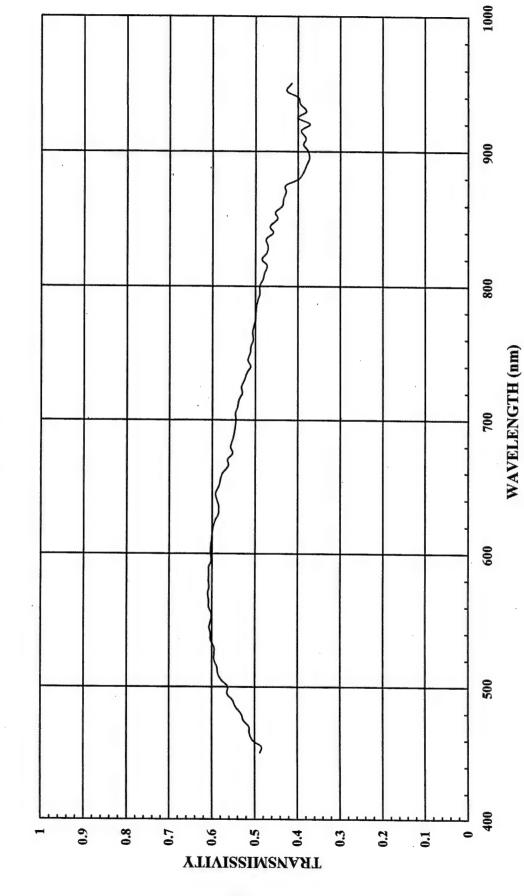
S/N# N/A

Material Type: Acrylic, Laminated

Construction: N/A

Coating: Gold

SAMPLE (GOLD, ACRYLIC, LAMINATED) @ NORMAL Tnvg = 51%



	SPECTRA-	RELATIVE .	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	0.4880952	0.0001	4.88095E-0
455	0.4845133	0.0001125	5.45077E-0
460	0.5051975		6.21393E-0
465	0.5131313		
470	0.513834	0.00015	
475	0.5267175		8.51808E-0
480	0.5314815		
485	0.5452899	0.00019375	
490	0.5514334		
. 495	0.5638977	0.00022266	0.00012555
500	0.5631825	0.0002375	0.00013375
505	0.5777777	0.00027656	0.0001597
510	0.5862069	0.0003125	0.0001831
515	0.5882353	0.00034279	0.00020164
520	0.5951743	0.000375	0.0002231
525	0.5948052	0.00041875	0.00024907
530	0.5949869	0.0004625	0.00024507
535	0.6031957	0.00050703	0.00027518
540	0.6030928	0.00055	0.0003333
545	0.6066176	0.00058359	0.00035401
550	0.6023529	0.000625	0.00037647
555	0.6013986	0.0007	0.00042097
560	0.6075949	0.000775	0.00047088
565	0.6078651	0.00085	0.00051668
570	0.6099448	0.000925	0.00056419
575	0.606949	0.0014525	0.00088159
580	0.6085527	0.00198	0.00120493
585	0.6077778	0.0047175	0.00286719
590	0.6080348	0.0078	0.0047426
595	0.6018808	0.0114	0.00686144
600	0.6037549	0.015	0.00905632
605	0.6031128	0.026263	0.0158395
610	0.6013917	0.052	0.03127236
615	0.6004119	0.088388	0.05306920
620	0.597652	0.175	0.104589
625	0.5929487	0.43288	0.25667563
. 630	0.5856698	0.6138	0.35948412
635	0.5852442	0.67756	0.3965380
640	0.5890945	0.7448	
645	0.5920542	0.82458	
650	0.584453	0.8897	0.51998783
655	0.5811719	0.89654	0.52104385
660	0.5761317	0.9034	0.52047737
665	0.562674	0.91051	0.51232030
670	0.5642202	0.9172	0.51750276
675	0.5524625	0.92241	0.50959693
675 680	0.5524625 0.557377	0.92241 0.9276	

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.510128062	(SPECTRAL
	SUM:	24.84248208	
950	0.4146341	0	0
945		. 0	0
940	0.00000	0	0
935		0	0
930		0.0069	0.002625366
925	0.4009217	0.015525	0.006224309
920	0.3722944	0.0276	0.010275325
915	0.3927126	0.043125	0.016935731
910		0.0621	0.023702291
905	4	0.11009	0.042615487
900		0.175	0.06584746
895		0.25704	0.096089726
. 890	0.380531	0.3448	0.131207089
. 885	0.3863636	0.42523	0.164293394
880		0.5034	0.201086402
875	0.4289474	0.58016	0.248858124
870		0.6552	0.280317492
865		0.72848	0.316098545
860		0.8	0.34953272
855		0.86334	0.391537467
. 850		0.9103	0.407861736
845		0.9172	0.42713683
. 840		0.9241	0.423392402
. 835	*	0.93402	0.4436595
830		0.9448	0.444405954
825		0.95515	0.452530394
820	0.4848485	. 0.9655	0.468121227
815	0.4726631	0.97283	0.459820844
810		0.9793	0.468937217
805		0.9862	0.475927299
800		0.9931	0.486717317
795		0.9938	0.486727264
790		0.9945	0.491294934
785		0.99543	0.495572835
780	0.4993252	0.9966	0.497627494
775		0.99814	0.49907
770		1	0.5037784
. 765		1	0.5069183
760		1	0.5050251
755		1	0.5108557
750		1	0.5122265
745		0.99719	0.516146641
740		0.9931	0.508097667
735		0.98838	0.514102398
730	The state of the s	0.9828	0.517263168
725		0.9802	0.522183318
720		0.9793	0.519716175
715		0.97304	0.523780815
710		. 0.9655	0.522845477
705		0.9586	0.523679633
700		0.9517	0.518897485
695		0.9448	0.516747778
690	0.5493827	0.9379	0.515266034
685	0.5525846	0.93254	0.515307243

Aircraft: N/A

Part Name: Sample, ACT3, 3mm, Mono

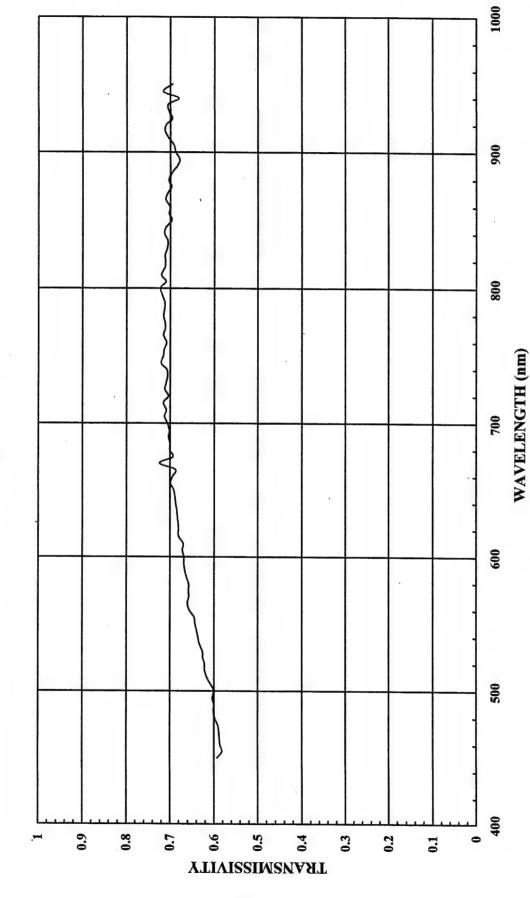
Manufactured: N/A

S/N# N/A

Material Type: N/A

Construction: N/A

SAMPLE (ACT3, 3mm, MONO, NO SERIAL NUMBER) @ NORMAL Tnvg = 71%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450	THE VARIABLE WAY I SHOW YOU THE WAY	0.0001	5.92857E-05
455			
460		the state of the s	
465			
470	0.5889329	0.00015	
475	0.591603		9.5674E-0
480		0.000175	0.00010467
485			0.00011653
490			
495			
500			
505			
510			
515			
520			
525		0.00041875	0.00026212
530		0.0004625	1
535			
540			
545		0.00058359	0.00037332
550		0.000625	
555		0.0007	0.00045198
560			
565		0.00085	0.0005615
570		0.000925	0.000608149
575		0.0014525	0.00095571
580	0.6578948	0.00198	0.00130263
585		0.0047175	0.00312927
590		0.0078	0.005
595		0.0114	0.00762382
600		0.015	
605		0.026263	0.01765343
610		0.052	0.0348389
615		0.088388	0.06018890
620	4	0.175	0.119156888
625		0.43288	0.29506139
630		0.6138	0.41939812
635		0.67756	0.46409147
640		0.7448	0.512004642
645		0.82458	0.568097277
650		0.8897	0.615617772
655		0.89654	0.626975167
660		0.9034	0.628290579
665 670		0.91051	0.626451184
		0.9172	0.664759686
675 680		0.92241 0.9276	0.639958920
685		0.9276	0.650080354
690		0.93254	0.653276722
			0.660003
695		0.9448	0.66328814
700		0.9517	0.67247255
705 710		0.9586 0.9655	0.68344633
		The state of the s	0.684296773
715		0.97304	0.696245247
720 725		0.9793 0.9802	0.689375689 0.698088246

			FICIENT)
			SMISSION
and the second s	Tnvg(SUM/NVG):	0.706235415 (SPEC	TRAL
	SUM:	34.39262011	
	OVV.		
950	0.6951219	0	
945		0	(
940		0	(
935		0	0.00101002
930		0.0069	0.004846829
925	0.6958525	0.015525	0.0108031
920		0.0276	0.03072674
915		0.043125	0.03072874
910		0.0621	0.07615544 0.04361221
905		0.11009	0.12042373
900		0.25704	0.1745630
895	0.00.000.	0.25704	0.235969293
890		0.42523	0.29596973
885		0.42523	0.35429508
880		0.5034	0.40458525
875		0.6552 0.58016	0.46269280
870		0.72848	0.51774763
865		0.8	0.5607476
860			0.60688304
855		0.9103 0.86334	0.63445151
850		0.9172	0.65214635
845		0.9241	0.659019512
840		0.93402	0.65920254
835		0.9448	0.66835851
830		0.95515	0.68052278
825		0.9655	0.68669256
820		0.97283	0.69316277
810 815		0.9793	0.7058912
		0.9862	0.69998937
800		0.9931	0.71778507
800		0.9938	0.71365801
790		0.9945	0.70865563
785 790		0.99543	0.70979733
780		0.9966	0.71281775
775		0.99814	0.71075782
770		. 1	0.711586
765		1	0.715723
760		1	0.708542
755		. 1	0.713920
750		1	0.715572
745		0.99719	0.71896491
740		0.9931	0.70312502
735		0.98838	0.69753801
730		0.9828	0.69773050

Aircraft: N/A

Part Name: Sample, ACT3, 6mm, Mono

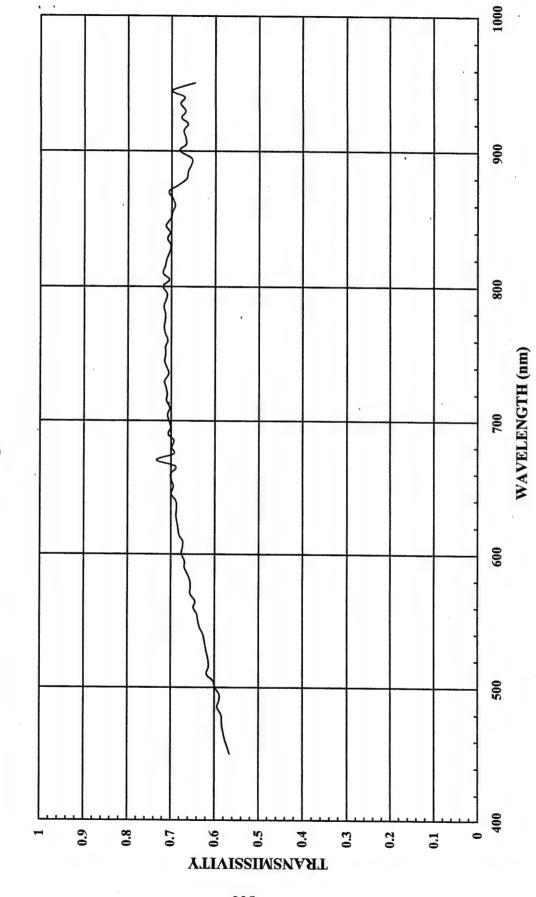
Manufactured: N/A

S/N# N/A

Material Type: N/A

Construction: N/A

SAMPLE (ACT3, MONO, 6mm, NO SERIAL NUMBER) @ NORMAL Tnvg = 70%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450		0.0001	5.66667E-05
455			
460			
465			
470			
475			
480	0.5851852		0.00010240
485	0.5942029		
490	0.5902192		0.00012542
495	0.5894569		
500	0.599064		0.000142278
505	0.6031746	4	
510	0.6175548		0.000192986
515	0.6133721	0.00034279	0.000210258
520	0.613941	0.000375	0.000230228
525	0.6168832		0.00025832
530	0.6200528		0.000286774
535	0.6231691	0.00050703	0.000315965
540	0.6262887	0.00055	0.000344459
545 550	0.6335784	0.00058359	0.00036975
550	0.6376471	0.000625	0.000398529
555	0.6398602	0.0007	0.000447902
560 565	0.6478711	0.000775	0.0005021
570	0.6438202	0.00085	0.000547247
575	0.6552486 0.6547231	0.000925	0.000606105
580	0.6557018	0.0014525 0.00198	0.000950985
585	0.6622222	0.00198	0.00129829
. 590	0.6688383	0.0047173	0.003124033 0.005216939
595	0.6687565	0.0078	0.007623824
600	0.6758894	. 0.0114	0.010138341
605	0.6731517	0.026263	0.017678983
610	0.6729622	0.052	0.034994034
615	0.6817713	0.088388	0.060260402
620	0.6840981	0.175	0.119717168
625	0.6869659	0.43288	0.297373799
630	0.6884735	0.6138	0.422585034
635	0.6869392	0.67756	0.465442524
640	0.6893865	0.7448	0.513455065
645	0.6996124	0.82458	0.576886393
650	0.6948177	0.8897	0.618179308
655	0.6993276	0.89654	0.626975167
660	0.7006173	0.9034	0.632937669
665	0.689415	0.91051	0.627719252
670	0.733945	0.9172	0.673174354
675	0.6937901	0.92241	0.639958926
680	0.6987705	0.9276	0.648179516
685	0.6934046	0.93254	0.646627526
690	0.7067901	0.9379	0.662898435
695	0.7006803	0.9448	0.662002747
700	0.705379	0.9517	0.671309194
705	0.7083333	0.9586	0.679008301
710	0.7032115	0.9655	0.678950703
715	0.7111597	0.97304	0.691986834
720	0.7094298	0.9793	0.694744603

		COEFFICIENT)	
			TRANSMISSION
	Tnvg(SUM/NVG):	0.704417656	(SPECTRAL
		34.30409793	
	SUM:	24 20400700	
900	0.6463414	0	0
950		0	0
940		0	0
935	the state of the s	0	0
930 935		0.0069	0.00461122
• 925		0.015525	0.010516936
920		0.0276	0.018280521
915		0.043125	0.028982795
910		0.0621	0.041479006
905		0.11009	0.073393337
900		0.175	0.1192373
895		0.25704	0.168157007
890		0.3448	0.225798211
885		0.42523	0.281473259
880		0.5034	0.335144037
·875	0.6842105	0.58016	0.396951564
870		0.6552	0.462692805
865	0.6982543	0.72848	0.508664292
860	0.6915888	0.8	0.55327104
855		0.86334	0.60296762
850		0.9103	0.638392207
845		0.9172	0.65405321
840		0.9241	0.649815292
835		0.93402	0.662794976
830		0.9448	0.662587012
825		0.95515	0.673613902
820		0.9655	0.686692565
815		0.97283	0.694878558
810		0.9793	0.704234314
805		0.9862	0.695082932
800		0.9931	0.705832835
795		0.9938	0.705832835
790		0.9945	0.714081764
785		0.99543	0.71147284 0.714081764
780		0.99814 0.9966	0.713323745
775		1 0 00944	0.7166247
770		1	0.7144654
765			0.7085427
760		1	0.7139208
755		1	0.7129987
745 750		0.99719	0.71376447
740		0.9931	0.705691199
735		0.98838	0.697538016
730		0.9828	0.703477822

Aircraft: N/A

Part Name: Sample, ACT3, 10 mm, Mono

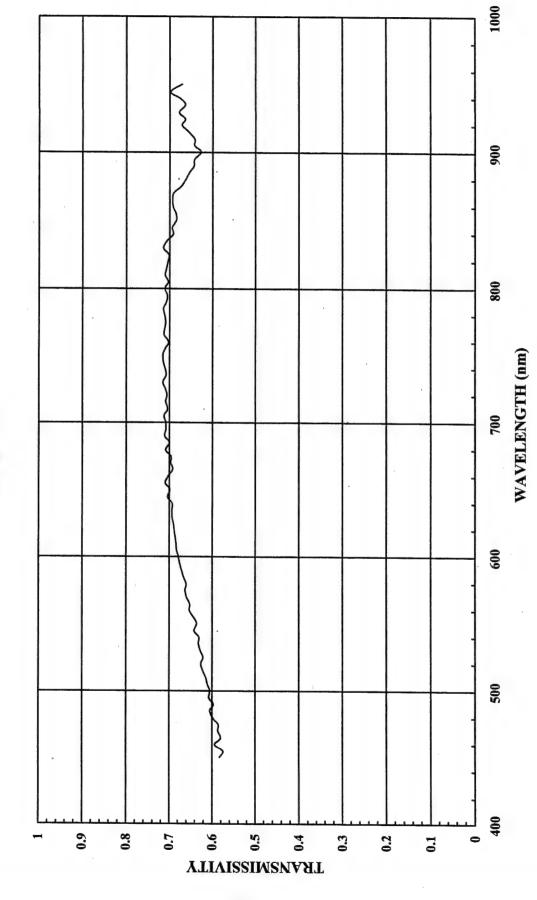
Manufactured: N/A

S/N# N/A

Material Type: N/A

Construction: N/A

SAMPLE (ACT3, MONO, 10mm, NO SERIAL NUMBER) @ NORMAL Tnvg = 70%



	SPECTRA-	RELATIVE	NVG
	RADIOMETRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READING	"NVIS A"	RESPONSE
450		0.0001	5.83333E-05
455			6.47124E-05
460			7.31351E-0
465			7.98387E-0
470			8.80435E-0
475		h	9.47482E-0
480	0.5981482		0.00010467
485	0.6050724	0.00019375	0.00011723
490	0.5969646	0.0002125	0.00012685
495	0.6070288	0.00022266	0.00013516
500	0.6053042	0.0002375	0.00014370
505	0.611111	0.00027656	0.000169009
510	0.6144201	0.0003125	0.000192000
515	0.622093	0.00034279	0.00021324
520	0.6260054	0.000375	0.00023475
525	0.6207792	0.00041875	0.00025995
530	0.6266491	0.0004625	0.00028982
535	0.6311584	0.00050703	0.000320016
540	0.6301546	0.00055	0.00034658
545	0.6409314	0:00058359	0.00037404
550	0.6352941	0.000625	0.000397059
555	0.6433567	0.0007	0.0004503
560	0.6524741	0.000775	0.000505667
5 65	0.6516854	0.00085	0.000553933
570	0.6596685	0.000925	0.000610193
57 5	0.6623236	0.0014525	0.000962025
580	0.6600878	0.00198	0.001306974
585	0.666666	0.0047175	0.003145
590	0.6710098	0.0078	0.005233876
595	0.6750261	0.0114	0.007695298
600	0.6788538	0.015	
605	0.6828793	0.026263	0.017934459
610	0.6838966	0.052	0.035562623
615	0.6858908	0.088388	0.060624516
620	0.6883671	0.175	0.120464243
625	0.6901709	0.43288 0.6138	0.298761179
630	0.6936656	0.6138	0.425771945
635 640	0.6939182 0.6932814		0.470171216 0.516355987
645	0.7044573	0.7448	0.5808814
650	0.6986564	0.82438	0.621594599
655	0.7098943	0.89654	0.636448636
660	0.7037037	0.9034	0.635725923
665	0.6922005	0.91051	0.630255477
670	0.6972477	0.9172	0.63951559
675	0.6959314	0.92241	0.641934083
680	0.7090164	0.9276	0.657683613
685	0.7005348	0.93254	0.653276722
690	0.7114198	0.9379	0.66724063
695	0.7088435	0.9448	0.669715339
700	0.7090464	0.9517	0.674799459
705	0.712963	0.9586	0.68344633
710	0.7043189	0.9655	0.680019898
715	0.7089715	0.97304	0.689857628
720	0.7061403	0.9793	0.691523196
725	0.7099323	0.9802	0.69587564
730	0.7157894	0.9828	0.703477822

735	0.7081807	0.98838	0.69995164
740	0.7105943	0.9931	0.705691199
745	0.7144719	0.99719	0.712464234
750	0.7155727	1	0.7155727
755	0.7100894	1	0.7100894
760	0.7022613	. 1	0.7022613
765	0.7132075	1	0.7132075
770	0.7115869	1	0.7115869
775	0.7095116	0.99814	0.708191908
780	0.7112011	0.9966	0.708783016
785	0.7144907	0.99543	0.711225478
790	0.7080838	0.9945	0.704189339
795	0.7055118	0.9938	0.701137627
800	0.7112211	0.9931	0.706313674
805	0.7031509	0.9862	0.693447418
810	0.7106599	0.9793	0.69594924
. 815	0.707231	0.97283	0.688015534
820	0.7040998	0.9655	0.679808357
825	0.7016275	0.95515	0.670159507
830	0.7148148	0.9448	0.675357023
835	0.7057692	0.93402	0.659202548
840	0.691235	0.9241	0.638770264
845	0.6943867	0.9172	0.636891481
850	0.6839827	0.9103	0.622629452
855	0.6848072	0.86334	0.591221448
860	0.6915888	0.8	0.55327104
865	0.6932669	0.72848	0.505031071
870	0.6907216	0.6552	0.452560792
875	0.6736842	0.58016	0.390844625
880	0.6630435	0.5034	0.333776098
. 885	0.6534091	0.42523	0.277849152
890	0.6430678	0.3448	0.221729777
895	0.6417446	0.25704	0.164954032
. 900	0.6271186	0.175	0.109745755
905	0.6415771	0.11009	0.070631223
910	0.6412214	0.0621	0.039819849
915	0.6558704	0.043125	0.028284411
920	0.6709957	0.0276	0.018519481
925	0.6635944	0.015525	0.010302303
930	0.6780488	0.0069	0.004678537
935	0.6631579	0	0.557675557
. 940	0.6755319	0	0
945	0.6982248	0	0
950	0.6707317	0	. 0
	SUM:	34.1775636	
	Tnvg(SUM/NVG):	0.701819336	(SPECTRAL
			TRANSMISSION
			COEFFICIENT)

Aircraft: N/A

Part Name: Sample, 3mm

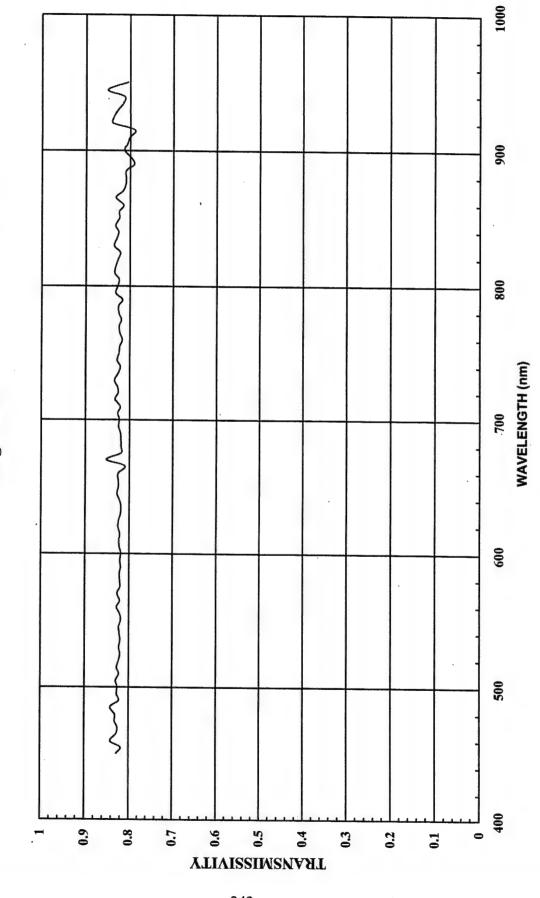
Manufactured: N/A

S/N# N/A

Material Type: Acrylic

Construction: N/A

SAMPLE (ACRYLIC, 3mm, NO SERIAL NUMBER) @ NORMAL Tnvg = 82%



		CDE CED 4	DEL ARISTE	NYZ
		SPECTRA-	RELATIVE	NVG
WAYER ENGERIC		RADIOMETRIC	SPECTRAL SENSITIVITY "NVIS A"	SPECTRAL
WAVELENGTH(nm)	450	READING 0.8285714		RESPONSE 8.28571E-0
	455	0.818584		9.20907E-0
	460	0.8419958		0.00010356
	465	0.8282829		
	470	0.826087	0.00015	0.00012391
	475	0.8320611		
	480	0.8314815		
	485	0.8423913		
	490 495	0.8229342 0.8274761	0.0002125 0.00022266	
	500	0.8268331	0.00022266	
	505	0.8301587	0.0002373	0.00019037
-	510	0.822884	0.0003125	
	515	0.8279412	0.00034279	
	520	0.8230563	0.000375	0.00030864
	525	0.8207793	0.00041875	
	530	0.8232191	0.0004625	0.00038073
	535	0.8202397	0.00050703	0.00041588
	540	0.8221649	0.00055	
	545	0.8235294	0.00058359	0.00048060
	550 555	0.8188235 0.8216783	0.000625 0.0007	0.00051176 0.00057517
	560	0.8285385	0.0007	0.00057517
	565	0.8213482	. 0.00085	0.00069814
(VV)	570	0.8276243	0.000925	0.00076555
	575	0.8208469	0.0014525	0.0011922
	580	0.821272		0.00162611
	585	0.8222222		0.00387883
	590	0.8197612	0.0078	0.00639413
· · ·	595	0.8213167	0.0114	0.0093630
	600	0.8191699 0.8229572	0.015 0.026263	0.01228754 0.02161332
	610	0.8240557	. 0.052	0.04285089
	615	0.8218331	0.088388	0.07264018
	620	0.8260406	0.175	0.14455710
	625	0.8247864	0.43288	0.35703353
	630	0.820353	0.6138	0.50353267
	635	0.8195414	0.67756	0.55528847
	640	0.8227848	0.7448	0.61281011
4/, 2/	645	0.8284884 0.8253359		0.68315496
	650 655	0.8261287	0.8897 0.89654	0.7343013 0.74065742
	660	0.8261316	0.9034	0.74632728
	665	0.810585	0.91051	0.738045748
	670	0.853211	0.9172	0.78256512
	675	0.8201285	0.92241	0.7564947
	680	0.8196722	0.9276	0.76032793
	685	0.8199643	0.93254	0.76464950
	690	0.8209876	0.9379	0.7700042
	695 700	0.8258504 0.8239608	0.9448 0.9517	0.78026345 0.78416349
	705	0.8275463	0.9586	0.79328588
	710	0.8217054	0.9655	0.79335656
	715	0.833698	0.97304	0.81122150
	720	0.8267543	0.9793	0.80964048
	725	0.8284424	0.9802	0.8120392
	730	0.8350877	0.9828	0.82072419
	735	0.8266178	0.98838	0.81701250
	740 745	0.8217054 0.8292047	0.9931 0.99719	0.81603563 0.82687463

			COEFFICIENT)	
			TRANSMISSION	
	Tnvg(SUM/NVG):	0.824957748	(SPECTRAL ·	
	SUM:	40.17422213		
		0		
950		. 0		
945	0.0.00200	. 0		
940		. 0		
935		, 0.0069		0.005721951
930		0.015525		0.01302096
925		0.0276 0.015525		0.0231792
920		0.043125		0.03404605
915		0.0621		0.04977481
910		0.11009		0.08878225
900		0.175		0.14237289
900		0.25704		0.20499140
. 895	011000001	0.3448		0.27258522
890		0.42523		0.34429133
880 885		0.5034		0.40764456
875		0.58016		0.47023493
870		0.6552		0.53530514
865		0.72848		0.60676388
860		0.8		0.6523364
855		0.86334		0.71259807
850		0.9103		0.75070192
845		0.9172		0.76465111
840	0.0200002	0.9241		0.76394718
835		0.93402		0.77595504
830		0.9448		0.79083255
825		0.95515		0.78588290
820		0.9655		0.7985597
815	0.8324515	0.97283		0.80983379
810		0.9793		0.81856886
805		0.9862		0.82200093
800		0.9931		0.8279058 0.82266695
795		0.9938		0.81286979
790		0.9945		0.82262215
785		0.99543		0.82310280
780		0.9966		0.81852610
775		. 0.99814		0.824937
770		1		0.823899
765	3.3.1.0002	1		0.817839
760		1		0.823754
755	0.8249678 0.8237548	1		0.824967

Aircraft: N/A

Part Name: Sample, 5mm

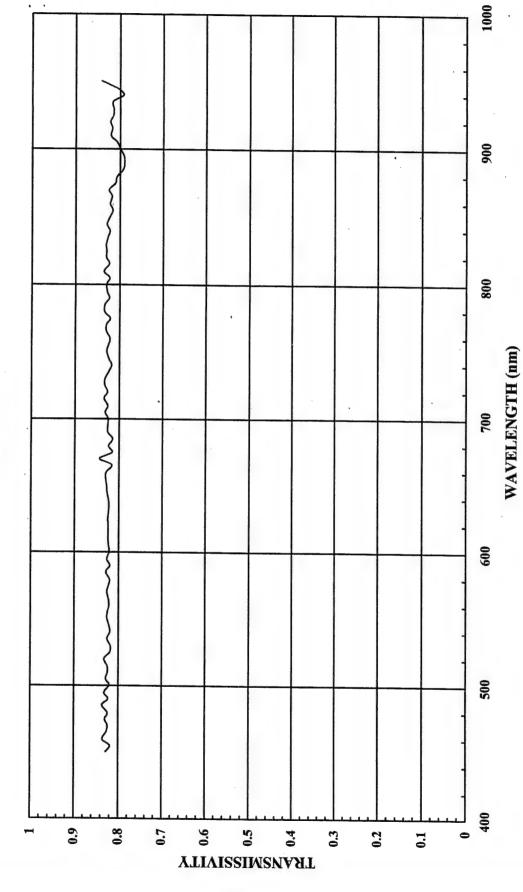
Manufactured: N/A

S/N# N/A

Material Type: Acrylic

Construction: N/A

SAMPLE (ACRYLIC, 5mm, NO SERIAL NUMBER) @ NORMAL Trivg = 83%



	CDECC	3.4	DEL ASSESSED	NIVO
	SPECTI		RELATIVE	NVG
		METRIC	SPECTRAL SENSITIVITY	SPECTRAL
WAVELENGTH(nm)	READI		"NVIS A"	RESPONSE
	450	0.8285714		8.28571E-0
	455	0.818584		9.20907E-0
	460	0.8357589	· · · · · · · · · · · · · · · · · · ·	<u> </u>
	465	0.8266129		
	470	0.8241107	0.00015	
	475	0.8301527	0.00016172	0.00013425
	480	0.8240741	0.000175	
	485	0.8369566		
	490	0.8229342		
	495	0.8322684		
	500	0.8205928		
	505	0.8285714		
	510	0.8244514		
	515	0.825		
	520	0.8324397	0.000375	
	525	0.8194805		
	530	0.817942		
	535	0.8255659		0.00041858
	540	0.8195876		
	545	0.8210784		
	550	0.8258823		
	555	0.8251749		0.00057762
	560	0.8216341	0.000775	
	565	0.8224719		0.00069910
	570	0.8265193		
	575	0.8230185		0.00119543
	580	0.8201755		A STATE OF THE PARTY OF THE PAR
	585	0.8288888		
	590	0.8197612	0.0078	
	595	0.8265412		
	600	0.8211462		
	605	0.8229572		0.02161332
	610	0.8240557	0.052	
	615	0.8238929		
	620	0.8239061 0.8247864	0.175 0.43288	
	625			I was a second of the second o
	630	0.8234683 0.8225324		
	635	0.8237585		
	640 645	0.8265504		
and the second s	650	0.828215		
	655	0.8299711		
	660	0.8292181		
	665	0.816156		I
	670	0.8440367	0.91031	
	675	0.8158458		
	680	0.8237705		
	685	0.8146167		
	690	0.8256173		
	695	0.8258504		
	700	0.8251833		
	705	0.8321759		
	710	0.8261351		
	715	0.8347921	0.97304	
	720	0.8267543		
	725	0.8329571	0.9793	
	730	0.8327485	A second	
	735	0.8241758		
	740	0.8178294		the second control of
	745	0.8239896		

			COEFFICIENT)
			TRANSMISSION
	Tnvg(SUM/NVG):	0.825161059	(SPECTRAL
and the state of t	SUM:	40.18412307	
	CIDE		
950	0.8414634	0	
945	5.50 11 001	0	
940		0	
935		0	0.00002001
930	0.8146341	0.0069	
925	0.8156682	0.015525	
920	0.8225108	0.0276	
915		0.043125	
910		0.11009	0.000,0220
905		0.175	0.1
. 900		0.25704	0.20000011
895		0.3448	
890		0.42523	0.00,0,000
885	0.0010002	0.5034 0.42523	
880		0.58016	
875	0.02 // 120	0.6552	0.04001110
870	0.0110001	0.72848	
865		0.8	0.0010100
860	7.7.70200	0.86334	
855		0.9103	
850		0.9172	0.1.0000.000
840 845		0.9241	0.70020077
835	0.0200201	0.93402	0.11200211
830		0.9448	0 500001 L
825	0.000010	0.95515	
820	7.00000	0.9655	
81		0.97283	
810		0.9793	
809	0.8225539	0.9862	
800		0.9931	
. 799	0.8283465	0.9938	
790		0.9945	
78		0.99543	
780		0.9966	0.01000011-
77:	0.0200.70	0.99814	0.0233171
770	0.0001001	1	2.500100
76	0.02,000	1	-
76		1	0.0200011
75	0 0.8288288 5 0.8250319	1	0.020020

Aircraft: N/A

Part Name: Sample, 9mm

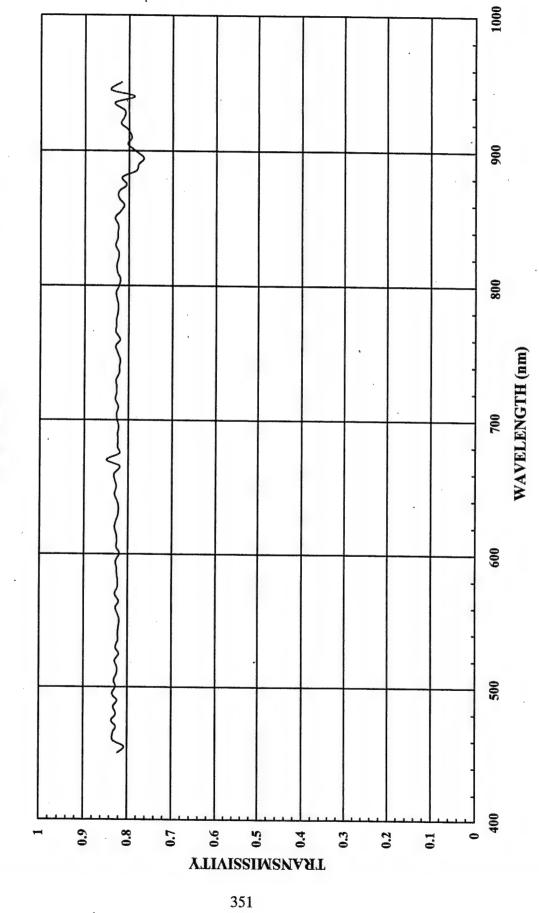
Manufactured: N/A

S/N# N/A

Material Type: Acrylic

Construction: N/A

SAMPLE (ACRYLIC, 9mm, NO SERIAL NUMBER) @ NORMAL Tnvg = 82%



	SPECTRA-		RELATIVE	NVC	
				NVG SPECTRAL	
WAVEL ENGTH ()	RADIOME	IRIC	SPECTRAL SENSITIVITY "NVIS A"		
WAVELENGTH(nm)	READING 450	0.8214285		RESPONSE 8.21429E-05	
	455	0.8075221		9.08462E-05	
	460	0.8316008			
	465	0.8323233			
	470	0.826087			
	475	0.8358779		0.000135178	
	480	0.8259259	0.000175		
	485	0.8315217			
	490	0.8229342			
	495	0.8338658			
	500	0.8268331	0.0002375		
	505	0.8301587	0.00027656		
	510	0.8244514	0.0003125		
	515	0.8235294	0.00034279		
	520 525	0.8284183 0.8194805			
	530	0.8271768			
	535	0.8215712		0.000382368	
	540	0.8221649			
	545	0.8210784	0.00058359	0.000479173	
	550	0.8188235	0.000625	0.000511765	
	555	0.8228438	0.0007	0.000575991	
	560	0.8273878			
	565	0.8202247	0.00085	0.000697191	
	570	0.8287292	0.000925	0.000766575	
	575	. 0.8230185			
	580	0.8223684	0.00198		
	585 590	0.8244444 0.82519	0.0047175 0.0078		
	595	0.8275862	0.0078	0.009434483	
	600	0.8191699	0.015	0.012287549	
	605	0.8258755	0.026263	0.021689968	
	610	0.8250497	0.052	0.042902584	
	615	0.8259526	0.088388	0.073004298	
	620	0.8303095	0.175	0.145304163	
	625	0.8269231	0.43288	0.357958472	
	630	0.8224299	0.6138	0.504807473	
	635	0.8215354	0.67756	0.556639526	
	640	0.8247322	0.7448	0.614260543	
	645 650	0.8304264 0.8262956	0.82458 0.8897	0.684753001 0.735155195	
	655	0.8299711	0.89654	0.735155195	
	660	0.8312757	0.9034	0.750974467	
	665	0.8189415	0.91051	0.745654425	
	670	0.8486239	0.9172	0.778357841	
	675	0.8201285	0.92241	0.75649473	
	680	0.8237705	0.9276	0.764129516	
	685	0.8235294		0.767974107	
	690	0.8240741	0.9379	0.772899098	
	695	0.8217687	0.9448	0.776407068	
	700	0.8251833	0.9517	0.785326947	
	705	0.8263889 0.8228129	0.9586 0.9655	0.7921764 0.794425855	
	710	0.8228129	0.97304	0.806963187	
	715 720	0.8293217	0.97304	0.809640486	
	725	0.8261851	0.9793	0.80904040	
	730	0.8280702	0.9828	0.813827393	
	735	0.8205128	0.98838	0.810978441	
	740	0.8204134	0.9931	0.814752548	
	745	0.8187744	0.99719	0.816473644	

			COEFFICIENT)		
			TRANSMISSION		
	Tnvg(SUM/NVG):	0.823435738	(SPECTRAL		
	SUM:	40.10010251			
	CIIM.				
950	0.8170732	0	. 0		
945	0.8402366	0	0		
940	0.7872341	. 0			
935	0.831579	0	0		
930	0.8097561	0.0069	0.005587317		
925	0.8110599	0.015525	0.012591705		
920	0.8181818	0.0276	0.022581818		
. 915	0.8016195	0.043125	0.03456984		
910	0.7938932	0.0621	0.049300768		
905	0.8028674	0.11009			
900	0.7864407	0.175			
895	0.7663552	. 0.25704			
890	0.778761	0.3448			
885	0.7840909	0.42523			
880	0.8156425	0.5034			
875	0.8052632	0.58016			
870	0.822165	0.6552			
865	0.8229427	0.72848			
860	0.8107476	0.8	0.10012000		
855	0.8185941	0.86334			
850	0.8311688	0.9103			
845	0.8232847	0.9172	0.7 02 10020		
840	0.8247011	0.9241			
835	0.825	0.93402	0.70000717		
830	0.8296297	0.93313			
825	0.8227848	0.95515			
820	0.8235294	0.9655	0.00100010		
815		0.97283			
810		0.9793			
805		0.9862	0.01011100		
800		0.9938 0.9931			
795		0.9945	0.0210020		
790		0.99543	0.0.0.00		
785	0.02.0011	0.9966			
780		0.99814	0.010100		
775		1 2 2 2 2 2	0.027400		
770		1	0.020000		
765			7.0.000		
760			0102000		
755	0.8249678	1	0.021001		

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THE EFFECTS OF AIRCRAFT TRANSPARENCIES ON NIGHT VISION GOGGLE-MEDIATED VISUAL ACUITY

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ABSTRACT

Night vision goggles (NVGs) are currently used in a wide variety of military aircraft that were not originally designed for NVGs. Likewise, the windscreens and canopies on these aircraft were not designed with NVGs in mind. Present day windscreens and canopies typically have one or more specialized coatings applied to them. These may be reasonably transparent for visible wavelengths but not so transparent for near infrared light to which the NVGs are sensitive. It was hypothesized that the major mechanism by which aircraft transparencies affect the operation of NVGs is through reduced light levels. This would mean that the key characteristic of interest for determining the effect of an aircraft transparency on the operation of the NVGs would be its transmission coefficient calculated using the spectral sensitivity of the NVGs. This hypothesis was tested by investigating visual acuity performance of trained observers viewing through NVGs for three levels of ambient illumination (1, 2 and 5 times starlight) and three levels of NVG- weighted windscreen transmissivities (58, 76 and 100%). In addition, two levels of contrast were included in the study (20

and 70% modulation contrast). Three trained observers determined the orientation of a Landolt C using a two-alternative, forced-choice step paradigm. A luminancebased model was developed to smoothly combine the effects of illumination level and transmission level for each contrast thus supporting the hypothesis. In addition, the results demonstrate the significant difference between individual observer's performance level and the increased difficulty (higher variability) of performance at lower contrast levels.

INTRODUCTION AND BACKGROUND

Night vision goggles provide observers with the ability to see very dimly illuminated nighttime scenes by amplifying ambient light from the red and near infrared spectral energy region (600 through 950 nm; see Fig. 1). Anything that reduces the light level getting to the NVGs will tend to reduce the output luminance while at the same time decreasing the signal-to-noise ratio. This, in turn, tends to reduce the visual acuity of observers using the NVGs. These effects are most apparent at very low ambient light levels such as starlight illumination

conditions. The basic hypothesis of this study is that it should not matter whether the light level is reduced by lowering the illumination level on the target area or by attenuating the light level getting to the NVGs by viewing through a transparency. This leads to the concept of equivalent illumination. For purposes of this study, equivalent illumination is the product of the actual illumination level and the transmission coefficient of the transparency through which one is viewing. As a specific example, the equivalent illumination for 2

times starlight actual illumination viewing through a 50% transmitting windscreen would be 1.0 starlight (2 times 0.5). This is the same equivalent illumination obtained for an actual illumination of 1 times starlight viewing through the NVGs with no intervening transparency (1 times 1.0). If the hypothesis were correct one would expect the visual acuity for these two conditions to be essentially the same (within the variability expected for human observations).

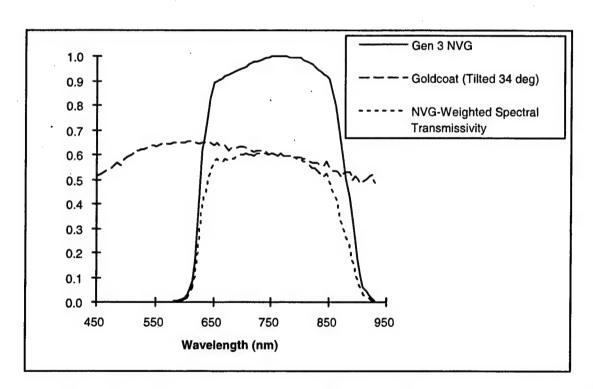


Figure 1. The relative value of a third-generation NVG, a gold-coated transparent sample (34 deg tilt) and its corresponding NVG-weighted spectral transmissivity plotted as a function of wavelength.

In order to determine how much an aircraft windscreen or canopy will reduce the light level by, it is necessary to measure or

calculate the NVG-weighted transmission coefficient (T_{NVG}) . This is done by using the spectral sensitivity of a given NVG^{1,2,3}.

Equation 1 describes the calculation for NVG-weighted transmissivity. T_{NVG} equals the integral with respect to wavelength, of the transparent part's spectral transmissivity $[P(\lambda)]$ times the spectral energy distribution of the light source $[S(\lambda)]$ times the NVG spectral sensitivity $[G(\lambda)]$ divided by the integral with respect to wavelength, of the spectral energy distribution of the light source times the NVG spectral sensitivity. Since the specific spectral energy distribution of the light source in Equation 1 is typically not known for operational conditions (it depends on the spectral energy distribution of the illumination source on the scene and the spectral reflectivity of the various objects in the scene) the NVGweighted transmission coefficient calculated using $S(\lambda) = 1$ for wavelengths. This simplifies the equation and typically does not significantly affect the results for the vast majority of broadband reflectance distributions normally encountered. Figure 1 shows the spectral transmissivity curve for one of the goldcoated samples used in this study. The thirdgeneration NVG sensitivity curve is plotted for reference.

$$T_{NVG} = \frac{\int_{950 \text{ nm}}^{950 \text{ nm}} P(\lambda)S(\lambda)G(\lambda)d\lambda}{\int_{950 \text{ nm}}^{50 \text{ nm}} S(\lambda)G(\lambda)d\lambda}$$
(1)

where:

 T_{NVG} = NVG-weighted transmissivity

 $P(\lambda)$ = spectra radiometric scan through the transparent part

 $S(\lambda)$ = spectral energy distribution of the light source (equal to 1 for our calculations)

$G(\lambda)$ = spectral sensitivity of the night vision goggle

Undocumented reports from some aircrew in different aircraft indicated that some transparencies, such as gold-coated F-16 canopies, might cause a reduction in NVG visual acuity compared to transparencies. Investigation into the NVGweighted transmission level of currently fielded F-16 canopies revealed that there are at least three different gold coatings and two different indium-tin-oxide coatings in use. It was therefore the objective of this study to investigate the effect of coated transparent parts that included the full range of NVGweighted transmission coefficients that might be found in the field. Since we could not obtain samples of all of the different types of coated windscreens it was decided to use what samples we did have in such a way as to provide a fairly wide range of transmissivities. Two gold-coated sections of transparencies were available: one with a fairly light coating and one with a relatively heavy coating. In order to expand the range even further, viewing through the heavily coated sample was done at a tilted angle, which made the transmission coefficient even smaller.

METHOD

Participants

The three participants in this study were not naive subjects in the traditional sense but highly trained psychophysical observers, two males and one female, ranging in ages from 35 to 46 years.

Apparatus and Stimuli

The tests utilized a new set of ITT Model F4949D (serial #3873) NVGs⁴ that had P-43 phosphor image intensifier tubes and a measured gain⁵ of about 6000. With the room lights off and the NVGs on, the observer first adjusted the interpupilary distance of the goggles. Then they adjusted the eyepiece lenses by looking at the dark ceiling with the goggles and focusing until the scintillation looked sharp. Objective lenses were focused by viewing a one-half moon illuminated, NVG resolution chart composed of square-wave gratings⁶.

All observations were made in a light tight room. The observer sat in a chair behind a table with their eyes 9.14 m (30 ft) from the stimulus easel. On the table was a fixture that held an aircraft transparency sample and a foam board visual field mask, which had a 15 cm high by 18 cm wide (6 by 7 in.) aperture. The observer held the NVGs but could rest his or her elbows on the table while looking through the hole and transparency at the stimulus. The goggles were powered using a regulated external power supply.

The stimuli were Landolt C's⁷ printed using a high-resolution photo-grade laser printer. All of the C's (in each set) were consecutively numbered 1 through n for ease of use with the computer program (see Procedure section) during the study. After the study, the observers' data were converted to Snellen equivalents. The high contrast (70% Michelson) set consisted of 69 C's ranging from 20/19.1 to 20/200.5 Snellen acuity for the 9.14 m viewing distance. C's 1 through 48 increased by about 2 minutes-of-arc (MOA) per step and C's 49 through 69 increased in about 2 to 4 MOA steps in order to insure a high upper range. The low contrast (20% Michelson) set consisted of 107 C's ranging from 20/19.1 to 20/236.8 Snellen acuity. For this set, C's 1 through 92 increased by about 2 MOA per step and C's 93 through 107 increased in about 2 to 4 MOA steps. The first stimulus presentation, as determined by the program, was always from the center of the set's range and all subsequent thresholds were found to be below this value.

The C's were mounted on 18 x 18 cm (7 x 7 in.) foam board. The letter and background were different gray levels, varied to achieve the two desired contrasts but maintain the same average reflectance. For presentation, the C was placed onto a larger surround board 61 x 61 cm (24 x 24 in.) that matched either the high or low contrast Landolt C background reflectance as appropriate. The background board was held on an easel and had a small ledge that held the letter C in the center. The ledge was invisible when viewed through NVGs. The C was then easily placed onto the ledge with the gap oriented either up or down.

The experimenter's station was to the side of the stimulus easel. The computer's electroluminescent, backlighted liquidcrystal display was filtered and shrouded to eliminate any stray light from falling on the target pattern.

Three, precalibrated, 2856K incandescent lamps⁸ were used to easily change to the different illumination levels. Apertures varied their intensity without affecting the color temperature. Illumination levels used

were: 1x starlight = $3.4x10^{-4}$ lx $(3.2x10^{-5}$ fc)⁹; 2x starlight = $6.7x10^{-4}$ lx $(6.2x10^{-5}$ fc); 5x starlight = $1.8x10^{-3}$ lx $(1.7x10^{-4}$ fc). A fourth lamp, set to about one-half moon illumination $1.3x10^{-1}$ lx $(1.2x10^{-2}$ fc) was used to illuminate an NVG resolution target⁶ during pretest goggle focusing.

Three transmission conditions were included in this study: a tilted heavily gold-coated sample, a non-tilted lightly coated sample, and no intervening transparency (100% transmission, hereafter termed baseline or high T_{NVG}). The T_{NVG} for the heavily goldcoated sample tilted to a 34 deg orientation was 58% (hereafter termed low T_{NVG}). The untitled (normal) lightly gold-coated sample had 76% transmissivity (hereafter termed This study used three medium T_{NVG}). different combinations of stimulus illumination, with three different levels of T_{NVG} coefficient to achieve nine total levels

of equivalent illumination. Table 1 summarizes the nine equivalent illumination levels derived from the different illumination and T_{NVG} coefficient combinations.

Testing was conducted within randomized blocks of the lighting conditions because the observer had to adapt to that level before the First, an illumination source was randomly selected. Within that lighting level, the observer was tested with a randomized order of stimulus contrasts and transparency samples. Two levels of contrast (20 and 70%), three levels of illumination and three levels of T_{NVG} yielded nine experimental conditions for high contrast letters and nine experimental conditions for low contrast. The visual acuity through the NVGs for trained observers was measured as a function of these nine equivalent illumination levels.

Table 1. The nine different equivalent illumination levels produced by all combinations of the three levels of stimulus illumination and three levels of transparency T_{NVG} coefficients.

MULTIPLES OF STARLIGHT	$LOW T_{NVG} coefficient$ $T_{NVG} = 58\%$	MEDIUM T_{NVG} coefficient $T_{NVG} = 76\%$	HIGH T_{NVG} coefficient $T_{NVG} = 100 \%$
1x	0.58	0.76	1
2x	1.16	1.52	2
5x	2.9	3.8	5

Procedure

A portable computer executed a twoalternative, forced-choice Step Program adapted from Simpson¹⁰. The experimenter started the Step Program which asked for the initial setup parameters: Landolt C upper and lower stimulus identification numbers (1 through 69 for high contrast or 1 through 107 for low contrast), confidence level (95%), number to criterion (5), maximum total number of trials (50) and a data file name. Using a conservative 95% confidence level caused the program to require a few more trials before converging to threshold.

The proper stimulus surround was placed onto the easel, a 1x, 2x or 5x starlight lamp was energized and the transparency sample placed into the fixture. The observer then partially dark-adapted to the goggle output luminance for about 10 minutes. The Step Program instructed the experimenter to place a given numbered (size) Landolt C in an up or down, randomized position. The stimulus was blocked from the observer's view by the experimenter during placement onto the easel. The experimenter asked the observer if he or she was ready, unblocked the stimulus for about 4 seconds, and then blocked it again. The observer had to respond either "up" or "down". feedback was ever given to the observer. The experimenter then removed the stimulus and entered the observer's response into the Step Program. Based on the response, the Step Program determined the next stimulus size and randomized its orientation. procedure was repeated until criterion was reached or the maximum numbers of trials were met. All observers converged before reaching the maximum number of trials. This procedure averaged about 10 minutes

per experimental condition with five minute rests after each condition and additional rest after completion of each lighting condition.

RESULTS

The study presented a total of 1015 stimuli to the three observers. Threshold criterion (5 correct responses at smallest, reliably seen gap size) was reached in 19 trials on the average, 10 being the fastest and 38 the slowest (see Fig. 2 for an example). Snellen acuity, which served as the dependent variable, was calculated from the viewing distance and the gap size of the Landolt C with the standard conversion that 20/20 Snellen acuity corresponds to a gap size of one minute of arc. Table 2 is a summary of the results for the high contrast Landolt C condition listing the Snellen acuity for each illumination/transparency combination for each trained observer and the average across observers. The equivalent illumination column is the fraction of starlight that was available to illuminate the target pattern accounting for the transmission coefficient of the transparency. This value multiplying calculated by illumination level (1, 2, or 5 times starlight) by the transmission coefficient (0.58, 0.76, or 1.00) for each condition. Table 3 is a summary of the results for the low contrast condition.

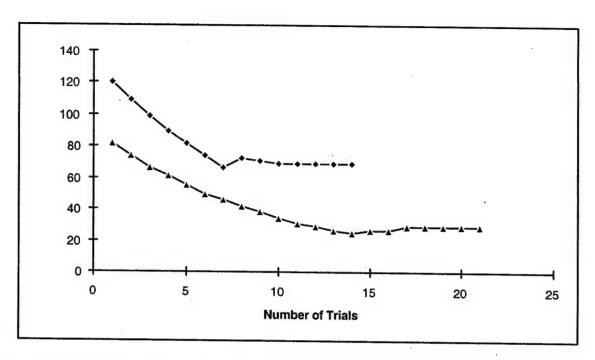


Figure 2. Typical Landolt C presentation sequences using the computer-based Step Program. Table 2. Summary of high contrast (70%) stimuli data. All data are Snellen acuities (20/xx).

ILLUMINATION (X STARLIGHT)	T _{NVG} COEFFICIENT	EQUIV IL:LUM	OBSERVER 1	OBSERVER 2	OBSERVER	MEAN
1x	LOW	0.58	66.8	63.0	61.1	63.6
1x	MEDIUM	0.76	61.1	59.2	49.7	56.7
1x	HIGH	1	53.5	51.6	47.7	50.9
2x	LOW	1.16	51.6	57.3	47.7	52.2
2x	MEDIUM	1.52	49.7	47.7	43.9	47.1
2x	HIGH	2	45.8	43.9	36.3	42.0
5x	LOW	2.9	36.3	40.1	36.3	37.6
5x	MEDIUM	3.8	36.3	32.5	34.4	34.4
5x	HIGH	5	36.3	32.5	34.4	34.4

Table 3. Summary of low contrast (20%) stimuli data. All data are Snellen acuities (20/xx).

ILLUMINATION (X STARLIGHT)	T _{NVG} COEFFICIENT	EQUIV ILLUM	OBSERVER 1	OBSERVER 2	OBSERVER 3	MEAN
1x	LOW	0.58	114.6	103.1	149.0	122.2
1x	MEDIUM	0.76	128.0	105.0	126.1	119.7
1x	HIGH	1	108.9	99.3	107.0	105.1
2x	LOW	1.16	114.6	84.0	122.2	106.9
2x	MEDIUM	1.52	112.7	108.9	82.1	101.2
2x	HIGH	2	105.0	99.3	70.7	91.7
5x	LOW	2.9	101.2	93.6	74.5	89.8
5x	MEDIUM	3.8	68.8	87.9	68.8	75.2
5x	IIIGII	5	47.7	74.5	61.1	61.1

DISCUSSION

Although none of the combination of conditions (illumination and transmission coefficient) permitted a direct test of the equivalent illumination hypothesis, it was possible to graph the Snellen acuity results against the equivalent illumination to see if it would produce a reasonably smooth, monotonically decreasing curve. This is the type of curve that would be expected since; in general, visual acuity improves (Snellen acuity value is smaller) as light level to the eye increases ¹¹. Figures 3 and 4 show these graphs for the high contrast and low contrast conditions, respectively.

The graphs of Figures 3 and 4 include all of the individual observer data in addition to a dashed line that corresponds to the average for the three observers for each equivalent illumination condition. The high contrast graph of Figure 3 demonstrates a very clear pattern, although it is apparent that there is a certain amount of observer variability and differences between observers. Based on visual inspection of the graph in Figure 3, a

curve fit was applied using a simple reciprocal model. The general form of the model equation was:

$$S = K + \frac{M}{E} \tag{2}$$

where:

S =Snellen acuity (20/xx)

K = constant (empirically determined by least squares fit)

M = proportionality constant
 (empirically determined)

E = equivalent illumination

Table 4 is a summary of the model fit (Equation 2) for both the high contrast and low contrast Landolt C. The model is shown in Figures 3 and 4 as a solid line. The model fits reasonably well for the high contrast condition (r = 0.981) and not too badly for the low contrast condition (r = 0.912) given that human observations are involved. It should be noted that this fit was done for a relatively small range of illuminations (0.58 to 5.0 times starlight) and

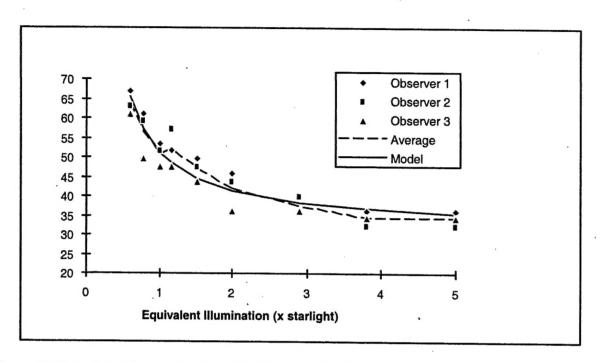


Figure 3. Plot of Snellen acuity as a function of starlight illumination for high contrast Landolt C stimuli (data from Table 2).

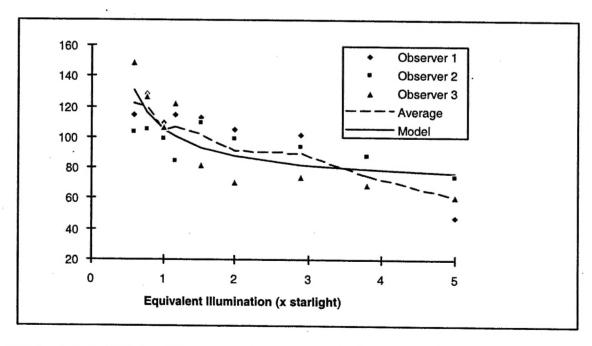


Figure 4. Plot of Snellen acuity as a function of starlight illumination for low contrast Landolt C stimuli (data from Table 3)

is therefore only valid for this range. It is possible the basic model (Equation 2) may still hold up for a greater range of illuminations but that has not yet been tested.

Table 4. Summary of model fit to data.

CONDITION	K	M	CORR (r)
70% CONTRAST	31.6	19.6	0.981
20% CONTRAST	70.0	35.3	0.912

The results shown in Figures 3 and 4 and the correlations in Table 4 support the validity of the hypothesis regarding using equivalent illumination and the T_{NVG} as a means of assessing the quality of aircraft transparencies with respect to NVGs. It is possible to use Equation 2 with the appropriate coefficients from Table 4 to reasonably predict the impact on visual acuity of a specific windscreen or canopy if its T_{NVG} value is known.

There is, however, an implicit assumption that must be addressed before applying the model presented herein. These results and the model presented assume the transparency has a very low haze value¹². Haze is a phenomenon caused by light scattering from materials within the transparency or from micro-scratches on the surface of the transparency (usually due to repeated cleaning). The effect of haze is to lower the contrast of objects viewed through the transparency, which, in turn, would reduce visual performance (Snellen acuity). The implicit assumption was that the transparencies employed in this study had very little or no haze. The two transparencies used in this study were measured¹³ and were found to have fairly low values of haze; 1.7% for the medium transmission and 2.4% for the low transmission transparency samples. If haze is present, then the model needs to be modified to include the loss in visual acuity due to contrast reduction. If haze is not present, then the contrast of objects viewed through a transparency remains the same no matter what the transmission coefficient is; only the apparent luminance of the object is affected. Future work in this area will address the haze issue.

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BIOGRAPHIES

Alan Pinkus has been an Air Force psychologist since 1982. As a human factors engineer, he has worked on major systems including Royal Saudi Air Force KE-3 tanker, Gunship 2, LANTIRN, Air Force One and Joint-Stars. As a researcher, he has worked in the areas of image display metrics, night vision goggles, apparent motion, aircraft lighting, transparency analysis, vision from space, workload assessment and has lectured for NATO in Europe several times. Alan has a B.S. Degree (Wright State, 1974), an

M.A. (University of Dayton, 1980) and a Ph.D. (Miami University, 1992), all in Experimental Psychology. He holds seven patents (or pending) in the area of night vision goggle ancillary devices and has over 20 publications. He is a member of SAFE, Association of Aviation Psychologists and is active in the American Society for Testing and Materials Subcommittee F 7.08 on Aerospace Transparencies.

H. Lee Task has been employed as a research scientist for the US Air Force since 1971. He has served as chief scientist for the Armstrong Aerospace Medical Research Laboratory (prior to its reorganization and disestablishment in 1991) and is presently a senior scientist at the Visual Display Systems Branch of the Human Engineering Division, in the Armstrong Laboratory's Crew Systems Directorate, at Wright-Patterson AFB, Ohio. He is currently involved in research and development in the areas of helmetmounted displays, vision through night vision goggles, and optical characteristics of aircraft windscreens, vision, and display systems. He has a B.S. Degree in Physics (Ohio University), M.S. degrees in Solid State Physics (Purdue, 1971), Optical Sciences (University of Arizona, 1978), and Management of Technology (MIT, 1985) and a Ph.D. in Optical Sciences from the University of Arizona Optical Sciences Center (1978). During his career he has earned 36 patents and has published more than 75 journal articles, proceedings papers, technical reports, and other technical publications. He is a member of the Human Factors and Ergonomics Society (HFES), the American Society for Testing and Materials (where he is chairman of Committees F 7 and F 7.08 on Aerospace Transparencies and is a Fellow of the Society), the Association of Aviation Psychologists, SAFE association, the Society for Information Display (SID), and SPIE (the optical engineering society). He has served as reviewer for papers in SAFE, SID, and HFES.